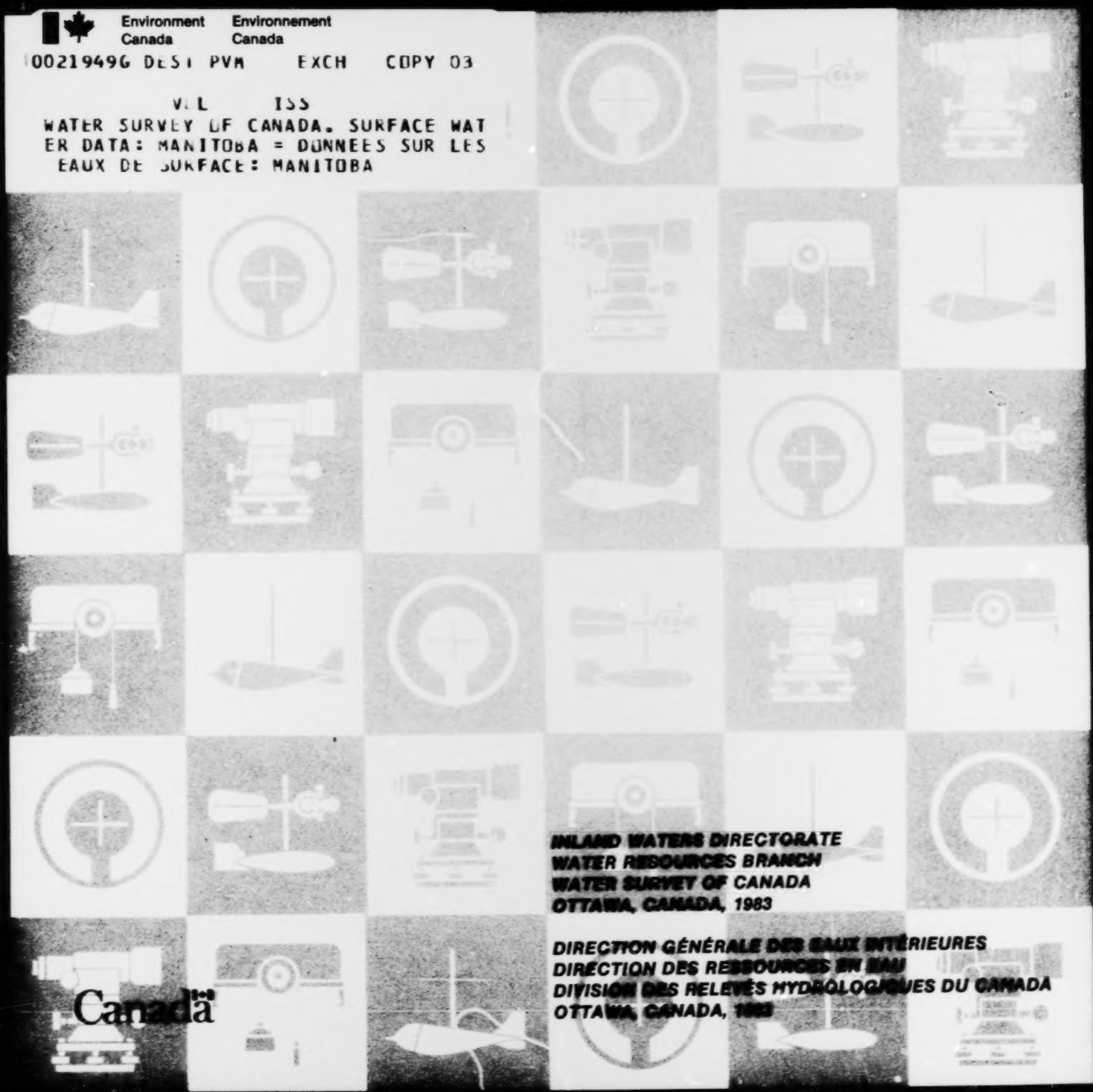
Surface Water Data

Manitoba

Données sur les eaux de surface

1982

Environment Canada Environnement Canada
00219496 DESI PVM EXCH COPY 03
V.L ISS
WATER SURVEY OF CANADA. SURFACE WAT
ER DATA: MANITOBA = DONNEES SUR LES
EAUX DE SURFACE: MANITOBA



INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1983

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
OTTAWA, CANADA, 1983

Canada

Metric Commission Canada has granted use of the National Symbol for Metric Conversion. The metric usage in this text has been reviewed by the Metric Screening Office of the Canadian General Standards Board.

La Commission du système métrique Canada a autorisé l'utilisation du symbole national de conversion au système métrique. Le Service du contrôle métrique de l'Office des normes générales du Canada a revisé l'utilisation du système métrique dans cette publication.

One of the primary roles of the Water Resources Branch, Environment Canada, is to maintain a systematic hydrometric survey program across the nation. This survey involves the measurement of the flow and level of water in rivers, streams and lakes, as well as compilation, analysis and publication of the data. During 1983 the Water Resources Branch will be celebrating 75 years of dedication and service to the hydrologic community.

The history of the hydrometric survey in Canada can be traced back to 1894 when some stream measurement was done in connection with irrigation surveys. However, it was not until 1908, when Parliament made its first specific appropriation for gauging streams and determining the water supply in southern Alberta and Saskatchewan, that the Hydrographic Survey was founded. The year 1911 saw the establishment of the Dominion Water Power Branch, which consolidated the hydrometric survey program already in operation for irrigation requirements, the water power investigation under way on the Winnipeg and Bow rivers, and the administration of water power on Dominion lands. In 1913 and subsequent years, arrangements were made with the provincial governments across Canada to continue the hydrometric survey program under the Dominion Water Power Branch, while passing the administration of nearly all water resources to the provinces.

In 1975 federal-provincial agreements were established which recognized that water quantity data may be collected to meet federal needs, provincial needs, or both. According to the agreements, the operation of the networks would be provided on a shared cost basis according to each party's needs.

The Dominion Water Power Branch has undergone numerous changes of name over the 75-year period, but a systematic program for the collection and publication of hydrometric data has remained. Today the program spans the nation, with data being collected at nearly 3500 different locations. The results are made available in annual publications and more recently, in a form suitable for computers. The program is being improved constantly to ensure a continued high calibre of service to the people of Canada.

L'une des principales fonctions de la Direction des ressources en eau d'Environnement Canada consiste à gérer un programme systématique de relevés hydrométriques partout au pays. Ces relevés comprennent la mesure du débit et du niveau de l'eau dans des cours d'eau et des lacs ainsi que le rassemblement, l'analyse et la publication des données. En 1983, la Direction des ressources en eau célébrera ses 75 ans de dévoués services aux hydrologistes.

Les premiers relevés hydrométriques au Canada remontent à 1894; on effectua alors certaines mesures dans des cours d'eau pour faire des relevés se rapportant à l'irrigation. Cependant, ce n'est qu'en 1908, année où le Parlement vota pour la première fois des crédits pour jauger des cours d'eau et calculer l'approvisionnement en eau dans le sud de l'Alberta et de la Saskatchewan, que les Relevés hydrographiques furent créés. L'année 1911 vit la mise sur pied des Services des forces hydrologiques du Dominion, qui réunissaient le programme déjà en cours de relevés hydrométriques à des fins d'irrigation, l'étude de l'aménagement hydro-électrique des rivières Winnipeg et Bow, qui était en cours, et la gestion des ressources hydro-électriques des terres du Dominion. En 1913 et au cours des années qui suivirent, des ententes furent conclues avec les gouvernements provinciaux en vertu desquelles le programme de relevés hydrométriques serait poursuivi sous l'autorité des Services des forces hydrologiques du Dominion, tandis que la gestion de presque toutes les ressources en eau irait aux provinces.

En 1975, les gouvernements fédéral et provinciaux conclurent des accords stipulant que des données sur le débit des eaux pouvaient être recueillies pour répondre aux besoins du fédéral ou des administrations provinciales, les coûts étant partagés entre chaque partie en proportion de ses besoins.

Les Services des forces hydrologiques du Dominion ont changé plusieurs fois de nom depuis 75 ans, mais il y a toujours eu un programme systématique de collecte et de publication des données hydrométriques. Aujourd'hui, le programme s'étend à tout le pays, et des données sont recueillies dans presque 3500 stations différentes. Les résultats paraissent dans des publications annuelles et, depuis quelque temps, ils sont présentés de façon à être traités par informatique. Le programme est amélioré pour que les Canadiens puissent profiter constamment d'un service de haute qualité.

© Minister of Supply and Services Canada 1983
Cat. No. En 36-402/1982
ISBN 0-662-52995-7
T&H PRINTERS LIMITED
Contract No. KN107-3-5004

PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Winnipeg, Manitoba.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Winnipeg (Manitoba).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

CONTENTS

	PAGE
Preface	iii
Introduction	iv
Organization and History of Hydrometric Survey Operations	iv
Co-operation and Acknowledgments	v
Conversion Factors	vi
Definition of Terms and Abbreviations	vii
Publication of Surface Water and Sediment Data	vii
Method of Tabulation of Surface Water Data	ix
Revisions	xi
Accuracy of Hydrometric Data	xii
Microfiche	xii
Surface Water Data, Gauging Stations in Alphabetical Order	1
Index of Gauging Stations	163

TABLE DES MATIÈRES

	PAGE
Préface	iii
Introduction	iv
Organisation et historique des relevés hydrométriques	iv
Coopération et remerciements	v
Facteurs de conversion	vi
Définitions des termes et abréviations	vii
Publication des données sur les eaux de surface et les sédiments	vii
Présentation sous forme de tableaux des données sur les eaux de surface	ix
Révisions	xi
Exactitude des données hydrométriques	xii
Microfiche	xii
Données sur les eaux de surface — Stations de jaugeage énumérées dans l'ordre alphabétique	1
Index des stations de jaugeage	163

INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents for the 1982 calendar year, the results of the hydrometric survey investigations which were made in Manitoba by the Water Survey of Canada.

Details on individual stations and related records, as well as recent data which have not yet been published, may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
521 Federal Building,
269 Main Street,
Winnipeg, Manitoba.
R3C 1B2

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0E7.

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

During 1982, the hydrometric surveys in Manitoba were conducted by the Water Survey of Canada under agreement with the Province of Manitoba. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente, pour l'année civile 1982, les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectués au Manitoba.

En s'adressant aux endroits ci-après, on peut obtenir des renseignements supplémentaires sur certaines stations particulières et divers relevés, ainsi que des données récentes non encore publiées:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
521 Édifice fédéral
269, rue Main
Winnipeg (Manitoba)
R3C 1B2

ou au Directeur, Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0E7.

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

En 1982, la Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques au Manitoba en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

Stream-gauging work started in Manitoba when the Winnipeg River Power Survey was commenced in 1911 by the Dominion Water Power Branch. The Manitoba Hydrographic Survey was organized in early 1912 and the survey was expanded to embrace all Manitoba and the Lake of the Woods in Ontario. Following the transfer of the natural resources of Manitoba to provincial control as of October 1, 1930, a co-operative agreement was arranged with the Government of Manitoba for the continuance of the hydrometric survey by the federal government. Although this agreement was terminated in 1933, work was continued by the federal government under letter arrangement until 1975. A co-operative agreement was signed with the Government of Manitoba on February 18, 1975 and implemented on April 1, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to the following organizations:

Federal – Department of Public Works;
Department of Regional Economic Expansion, PFRA.

Provincial – Manitoba Hydro, Manitoba;
Department of Mines, Resources and Environmental Management, Water Resources Division, Manitoba.

Municipal – City of Winnipeg Hydro-Electric System, Manitoba.

C'est en 1911, lorsque la Direction fédérale de l'énergie hydraulique a fondé le *Winnipeg River Power Survey*, que cet organisme a effectué les premières observations relatives aux cours d'eau au Manitoba. Avec la création du *Manitoba Hydrographic Survey* au début de 1912, le champ des relevés s'est élargi pour englober tout le Manitoba et le lac des Bois en Ontario. Après que la responsabilité des ressources naturelles du Manitoba eut passé au gouvernement provincial, le 1er octobre 1930, le Manitoba et le gouvernement fédéral ont conclu un accord qui permettait à ce dernier de poursuivre les relevés hydrométriques. L'accord a pris fin en 1933, mais en vertu d'une lettre d'entente, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 18 février 1975, le gouvernement du Manitoba a signé un nouvel accord, qui est entré en vigueur le 1er avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques et partagera le coût des mesures avec la province.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable aux organismes suivants de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques:

Niveau fédéral – Ministère des Travaux publics,
Ministère de l'Expansion économique régionale (ARAP).

Niveau provincial – Hydro-Manitoba,
Division des ressources en eau du ministère des Mines et des Ressources et de la Gestion de l'environnement du Manitoba.

Niveau municipal – *Hydro-Electric System* de Winnipeg, Manitoba.

CONVERSION FACTORS

The following list of convenient equivalents of measure gives the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 5280 feet
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 640 acres

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 0.160 54 cubic foot
1 imperial gallon equals 4.546 09 L (litres)
1 U.S. gallon equals 0.133 68 cubic foot
1 imperial gallon equals 1.2010 U.S. gallons

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

FACTEURS DE CONVERSION

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre vaut 5280 pieds
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre équivaut à 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré vaut 640 acres

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial équivaut à 0.160 54 pied cube
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon américain équivaut à 0.133 68 pied cube
1 gallon impérial équivaut à 1.2010 gallon américain

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Conversion Factors".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 270 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Facteurs de conversion».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 270 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are presented in the International System of Units (SI) and future editions will be published biennially. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and the discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI) and future editions will be published every three years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les trois ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record to 1976 for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI) and future editions will be published every three years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement allant jusqu'en 1976, pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les trois ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

During the years 1948–1960, some sediment data were collected for several prairie rivers to meet the demands of particular projects and the results included in the 1961 publication. All subsequent editions titled *Sediment Data Canadian Rivers* were published annually, the same as for the Surface Water Data publications but in one volume. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI) and will continue to be published on an annual basis.

De 1948 à 1960, certaines données sur les sédiments étaient recueillies de divers cours d'eau des Prairies afin de répondre aux besoins de projets particuliers et les résultats paraissaient dans l'édition de 1961. Toutes les éditions subséquentes intitulées *Données sur les sédiments de rivières canadiennes* étaient publiées annuellement, comme c'est le cas pour les données sur les eaux de surface, mais dans un seul tome. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et la publication va paraître chaque année.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations where sediment data in Canada were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published biennially. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

The first edition of a new biennial publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI) and future editions will be published every five years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

METHOD OF TABULATION OF SURFACE WATER DATA

For gauging stations where a systematic record of water level or discharge was obtained during the year under review, the following are given where available:

1. Table of daily water level or discharge;
2. Summary of monthly and annual data;
3. Descriptive information.

1. *The table of daily water level* or *discharge* gives the daily water level in metres or the daily discharge in cubic metres per second at the gauging station.

The following standard symbols are used opposite the daily stage or discharge to which they apply:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge. This symbol is used during open-water periods only.

B – Ice Conditions – indicates the presence of ice at the gauging station. For gauging stations where discharge data are obtained, this symbol indicates that the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

La première édition de l'*Index de référence des données sur les sédiments* renfermait les données disponibles jusqu'en 1972. Elle comprenait une mise en tableaux des emplacements où des données sur les sédiments sont recueillies au Canada par la Division des relevés hydrologiques. L'Index est subdivisé alphabétiquement par province ou territoire et les stations de relevés des sédiments sont classées en ordre alphabétique. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et sont publiées tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une nouvelle série de publications paraissant tous les deux ans et intitulée *Sommaire chronologique des données sur les sédiments de rivières canadiennes* renfermait les données disponibles jusqu'en 1974. Cette série présente un résumé des moyennes mensuelles et annuelles de la charge de sédiments en suspension, des extrêmes annuels de la concentration quotidienne et de la charge quotidienne des sédiments en suspension, ainsi que de la charge totale annuelle des sédiments en suspension. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les cinq ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

PRÉSENTATION SOUS FORME DE TABLEAUX DES DONNÉES SUR LES EAUX DE SURFACE

Pour les stations de jaugeage où on a effectué, au cours de l'année étudiée, un relevé systématique du débit ou du niveau, les données suivantes sont présentées, pour autant qu'elles soient disponibles:

1. un tableau du niveau ou du débit quotidien;
2. un extrait des données mensuelles et annuelles;
3. des renseignements descriptifs.

1. *Le tableau du niveau* ou *du débit quotidien* donne la hauteur des eaux, en mètres ou le débit, en mètres cubes par seconde, mesuré à la station de jaugeage.

Les symboles normalisés donnés ci-après sont inscrits à côté des valeurs auxquelles ils se rapportent:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne pour la journée en question. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique la présence de glaces à la station de jaugeage, qui ont faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

2. *A summary of monthly and annual data* is given below the table of daily data.

For stations where only water level data are obtained, both a monthly and annual summary are given.

The monthly summary gives:
(a) the mean water level in metres for complete months;
(b) the maximum and minimum daily water level in metres.

The summary for the year gives:
(a) the mean water level in metres for complete years;
(b) the maximum and minimum daily water levels and their dates of first occurrence where applicable;
(c) the maximum instantaneous water level and the time of occurrence where available.

For stations where discharge data are collected, both a monthly and annual summary are given.

The monthly summary gives:
(a) the total of the daily discharge values for complete months;
(b) the mean discharge in cubic metres per second;
(c) the total discharge in cubic decametres;
(d) the maximum and minimum daily discharges in cubic metres per second.

The summary for the year or period gives:
(a) the mean discharge in cubic metres per second;
(b) the total discharge in cubic decametres;
(c) the maximum and minimum daily discharges and their dates of first occurrence;
(d) the maximum instantaneous discharge and the time of occurrence, where available.

3. *The descriptive information* about the gauging station is also given below the table of daily data and will indicate the following where applicable:

International Gauging Stations – on waters adjacent to the international boundary, certain gauging stations have been designated as "International" and records are approved jointly. Differences between figures published herein and corresponding figures in United States Water Supply Papers are due to variations in automated data processing techniques.

Type of Gauge – refers to the installation or method used to obtain water level or discharge data:

(a) Manual – a non-recording type of gauge from which observations of stage normally are obtained once daily.
(b) Recording – a water-stage recorder from which continuous water levels are obtained on an analog chart. For most International Gauging Stations located in the United States, water level records are obtained utilizing a digital recorder.
(c) Power Plant Rating – this indicates that records were obtained using the latest available rating of the Power Plant.

2. *Un extrait des données mensuelles et annuelles* est donné au-dessous du tableau des données quotidiennes.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le niveau.

L'extrait mensuel donne:
(a) le niveau moyen en mètres pour le mois entier, et
(b) les niveaux quotidiens maximal et minimal en mètres.

L'extrait annuel donne:
(a) le niveau moyen en mètres pour l'année entière;
(b) les niveaux quotidiens maximal et minimal ainsi que les dates de leur première observation, s'il y a lieu, et
(c) le niveau maximal instantané et l'heure de l'observation, s'il y a lieu.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le débit.

L'extrait mensuel donne:
(a) le total des valeurs quotidiennes du débit, pour le mois entier;
(b) le débit moyen en mètres cubes par seconde;
(c) le débit total en décamètres cubes, et
(d) les débits quotidiens maximal et minimal en mètres cubes par seconde.

L'extrait annuel ou périodique donne:
(a) le débit moyen en mètres cubes par seconde;
(b) le débit total en décamètres cubes;
(c) les débits quotidiens maximal et minimal ainsi que les dates de première observation, s'il y a lieu, et
(d) le débit maximal instantané et l'heure de l'observation, s'il y a lieu.

3. *Les renseignements descriptifs* sur les stations de jaugeage sont également présentés sous le tableau des données quotidiennes et apportent les précisions qui suivent, s'il y a lieu:

Stations internationales de jaugeage (International Gauging Stations) – Dans les eaux contiguës aux frontières, on a désigné certaines stations comme «internationales», et les données prélevées sont approuvées par les pays concernés. Les différences entre les chiffres publiés dans la présente publication et les *United States Water Supply Papers* proviennent de variantes dans les techniques de traitement automatique des données.

Type de jauge (Type of Gauge) – Il s'agit des jauges ou des méthodes de jaugeage utilisées pour obtenir les données sur le niveau et le débit d'un cours d'eau:

(a) Manuelle (Manual) – indique qu'un appareil non enregistreur sert à obtenir une fois par jour les données sur le niveau et le débit d'un cours d'eau.
(b) Enregistreuse (Recording) – indique qu'un limnigraphe permet de mesurer de façon continue le niveau des eaux tracé sur une carte analogique. La plupart des stations internationales de jaugeage des États-Unis obtiennent les données sur le niveau des eaux à l'aide d'un enregistreur numérique.
(c) Régime des stations hydrauliques (Power Plant Rating) – indique qu'on a obtenu les données grâce aux valeurs les plus récentes des régimes mesurés dans les stations hydrauliques.

Location – the latitude and longitude co-ordinates of the location of the gauge are given. For stations where the gauge is located in appreciable distance from the discharge measurement section, these co-ordinates give the location of the discharge measurement section.

Drainage Area – this is the latest available drainage area and refers to that area enclosed by a topographic divide such that direct surface runoff from precipitation would drain by gravity into the stream upstream from the location of the station. For a gauging station on a lake, this refers to the total drainage area at the outlet of the lake.

Contributed Data – if data were supplied in their entirety by an outside agency, the name of the co-operating agency is given.

Natural Flow or *Regulated* – where the flow is known to be natural, this is indicated. The flow of water in many river systems is affected by upstream regulation. In some cases, the extent of this regulation is not known and therefore is not indicated. However, where the regulation is known to be "appreciable", this is indicated as well as the year that the regulation began, if known.

Gauge Datum – for stations where only water level data are available, the name of the datum, to which water levels are referred, is given as well as an equation to convert to another datum if applicable. Detailed information on the description of the bench marks to which water levels are referred is available from the appropriate Regional Chief.

Remarks – unusual conditions which occur at a station are explained.

Emplacement (Location) – La latitude et la longitude de la station de jaugeage sont indiquées. Dans les cas où l'équipement de mesure est situé à un endroit éloigné de la section où le jaugeage est effectué, on indique les coordonnées de cette section.

Superficie du bassin versant (Drainage Area) – Il s'agit de la superficie du bassin versant déterminée d'après les cartes les plus récentes et désigne la zone délimitée par une ligne de partage des eaux de sorte que l'écoulement d'averse est entraîné par gravité vers le cours d'eau en amont de la station. S'il s'agit d'une station située sur un lac, elle représente la superficie totale jusqu'à l'émissaire du lac.

Données fournies (Contributed Data) – Nom de l'organisme extérieur qui a fourni les données.

Débit naturel ou *régularisé* (Natural Flow or Regulated) – Un débit reconnu comme naturel est indiqué comme tel. Le débit de plusieurs réseaux hydrographiques est modifié par une régularisation qui est effectuée en amont. Il arrive parfois que l'importance de cette régularisation ne soit pas connue, et elle n'est donc pas indiquée. Cependent, quand on sait que la régularisation est d'une certaine importance, on l'indique ainsi que l'année où elle a débuté (si elle est connue).

Plan de référence des jauges (Gauge Datum) – Pour les stations dans lesquelles on ne mesure que le niveau de l'eau, on indique le plan de référence de la jauge en question et l'équation permettant, au besoin, de convertir ce plan en un autre plan. En s'adressant au chef régional concerné, on peut obtenir des renseignements plus précis au sujet des niveaux de référence auxquels correspondent les niveaux mesurés.

Remarques (Remarks) – Les conditions inhabituelles qui prévalent à une station sont expliquées.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon (1) the stability of the stage-discharge relationship; or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge and interpretation of records. Because of all the variable factors mentioned above, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data.

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, B and E.

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

MICROFICHE

All published daily discharge, water level and sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by Region, therefore data for a particular province may include fiche from two or more Regions. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, Region, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur (1) la stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence des mesures de débits, et (2) sur la précision des observations sur les niveaux, des mesures de débits et de l'interprétation des relevés. À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données.

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A, B et E.

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un linnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

MICROFICHE

Toutes les données publiées concernant les débits quotidiens, les niveaux d'eau et les sédiments sont disponibles sur microfiche en unités métriques aux usagers qui en font la demande. Ces données sont emmagasinées par ordre de numéro de station et par région. Les données relatives à une province en particulier peuvent donc inclure des fiches en provenance de deux régions ou plus. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la région, le numéro de la première et de la dernière station, celui de la première et de la dernière année de cueillette ainsi que le mois et l'année de préparation de la fiche. La dernière image donne l'index du contenu de la fiche.

SURFACE WATER DATA/DONNÉES SUR LES EAUX DE SURFACE

ANGLING RIVER NEAR BIRD - STATION NO. 05UH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.82B	1.05 B	0.824B	0.747B	4.20B	21.1	12.1	7.78	10.2	12.5	8.63B	4.08B	1
2	1.78B	1.04 B	0.824B	0.747B	16.0 B	20.2	11.5	7.76	10.7	14.3	8.38B	4.00B	2
3	1.74B	1.03 B	0.812B	0.747B	35.0 B	19.9	10.5	7.57	10.8	15.3	8.00B	3.90B	3
4	1.69B	1.03 B	0.800B	0.743B	54.0 B	17.9	10.2	7.67	12.0	17.2	7.79B	3.82B	4
5	1.65B	1.02 B	0.800B	0.743B	69.0 B	16.4	9.83	7.73	11.9	18.4	7.55B	3.76B	5
6	1.61B	1.00 B	0.800B	0.743B	80.5 B	16.2	8.63	7.72	12.3	20.1	7.33B	3.68B	6
7	1.54B	0.992B	0.796B	0.738B	87.0 B	15.7	8.41	7.85	12.2	20.1	7.10B	3.60B	7
8	1.51B	0.992B	0.796B	0.738B	89.5 B	15.8	8.64	6.92	12.6	20.0	6.88B	3.55B	8
9	1.46B	0.980B	0.791B	0.734B	89.0 E	15.2	8.05	7.05	11.6	19.7	6.68B	3.58B	9
10	1.42B	0.968B	0.791B	0.734B	87.5 E	15.0	7.85	7.66	11.0	19.0	6.50B	3.44B	10
11	1.40B	0.968B	0.791B	0.734B	82.0 E	15.5	7.21	8.06	11.4	18.0	6.33B	3.38B	11
12	1.38B	0.956B	0.787B	0.730B	76.0 E	16.3	7.06	8.35	12.6	18.3	6.18B	3.34B	12
13	1.34B	0.944B	0.787B	0.730B	70.0 E	17.2	6.75	8.01	11.4	18.0	6.00B	3.30B	13
14	1.30B	0.932B	0.782B	0.730B	62.0 E	16.9	6.85	7.76	11.9	17.1	5.83B	3.25B	14
15	1.28B	0.932B	0.782B	0.725B	55.0 E	17.4	6.43	8.12	12.2	16.0	5.65B	3.18B	15
16	1.27B	0.920B	0.778B	0.725B	51.0 E	16.3	6.20	9.11	11.8	14.9	5.54B	3.12B	16
17	1.23B	0.908B	0.778B	0.725B	46.1 A	15.2	5.92	9.57	10.7	14.2	5.44B	3.08B	17
18	1.21B	0.908B	0.778B	0.721B	40.1	15.0	5.35	9.51	10.6	13.3	5.32B	3.02B	18
19	1.18B	0.896B	0.774B	0.721B	33.8	14.4	5.35	10.1	10.2	13.2	5.20B	2.98B	19
20	1.17B	0.884B	0.774B	0.721B	32.5	13.5	5.70	10.6	10.4	12.7	5.08B	2.93B	20
21	1.16B	0.872B	0.769B	0.716B	29.9	13.2	5.79	10.8	10.7	11.9	4.98B	2.90B	21
22	1.14B	0.872B	0.769B	0.716B	26.7	13.1	5.13	10.4	9.76	11.3	4.88B	2.85B	22
23	1.11B	0.860B	0.769B	0.716B	24.2	11.7	5.15	10.0	8.98	11.0	4.80B	2.80B	23
24	1.10B	0.848B	0.765B	0.712B	21.9	13.0	5.26	9.39	8.72	10.8	4.68B	2.77B	24
25	1.09B	0.848B	0.765B	0.712B	21.1	13.5	5.15	9.73	9.20	10.6	4.60B	2.74B	25
26	1.08B	0.848B	0.760B	0.721B	18.9	14.0	4.91	9.62	8.48	10.5	4.50B	2.69B	26
27	1.08B	0.836B	0.760B	0.743B	18.2	14.6	5.17	9.36	8.05	10.4	4.42B	2.66B	27
28	1.06B	0.836B	0.756B	0.824B	20.0	14.1	4.90	9.55	8.48	10.1	4.32B	2.62B	28
29	1.06B		0.756B	1.34 B	21.7	13.5	5.56	9.87	8.04	9.74B	4.24B	2.58B	29
30	1.05B		0.752B	2.24 B	21.8	13.1	6.30	10.2	10.4	9.34B	4.16B	2.53B	30
31	1.05B		0.752B		22.1		7.38	10.4		8.97B		2.50B	31
TOTAL	40.96	26.170	24.218	24.116	1 406.70	464.9	219.23	274.22	319.31	486.95	176.95	98.57	TOTAL
MEAN	1.32	0.935	0.781	0.804	45.4	15.5	7.07	8.85	10.6	14.4	5.98	3.18	MEAN
MAX	1.82	1.05	0.824	2.24	89.5	21.1	12.1	10.8	12.6	20.1	8.63	4.08	MAX
MIN	1.05	0.836	0.752	0.712	4.20	11.7	4.90	6.92	8.04	8.97	4.16	2.50	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.65
MAXIMUM DAILY, 89.5B ON MAY 8
MINIMUM DAILY, 0.712B ON APR 24

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 40 39 N
LONG 93 38 20 W
DRAINAGE AREA, 1 630 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 540	JUL	18 900
FEB	2 260	AUG	23 700
MAR	2 090	SEP	27 600
APR	2 080	OCT	38 600
MAY	122 000	NOV	15 300
JUN	40 200	DEC	8 520

TOTAL DISCHARGE, 305 000 dam³

ANTLER RIVER NEAR MELITA - STATION NO. 05MF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0B	0.010B	1.96	0.262	0.115	0.022	0	0	0	0B	1
2	0B	0B	0B	0.050B	1.73	0.241	0.085	0.003	0	0	0	0B	2
3	0B	0B	0B	0.010B	1.56	0.223	0.056	0.001	0	0	0	0B	3
4	0B	0B	0B	0.009B	1.44	0.230	0.052	0	0	0	0	0B	4
5	0B	0B	0B	0 B	1.33	0.224	0.040	0	0	0	0	0B	5
6	0B	0B	0B	0 B	1.19	0.232	0.030	0	0	0	0	0B	6
7	0B	0B	0B	0 B	1.09	0.229	0.009	0	0	0	0	0B	7
8	0B	0B	0B	0 B	0.997	0.205	0.002	0	0	0	0	0B	8
9	0B	0B	0B	0.008B	0.915	0.207	0.001	0	0	0	0	0B	9
10	0B	0B	0B	0.107B	0.859	0.237	0.012	0	0	0	0	0B	10
11	0B	0B	0B	0.458B	0.785	0.271	0.009	0	0	0	0B	0B	11
12	0B	0B	0B	0.820B	0.698	0.252	0.003	0	0	0	0B	0B	12
13	0B	0B	0B	1.54 B	0.658	0.238	0.001	0	0	0	0B	0B	13
14	0B	0B	0B	1.98 B	0.630	0.224	0.001	0	0	0	0B	0B	14
15	0B	0B	0B	4.30 B	0.611	0.202	0.169	0	0	0	0B	0B	15
16	0B	0B	0B	18.3 B	0.589	0.212	0.272	0	0	0	0B	0B	16
17	0B	0B	0B	23.4 B	0.566	0.225	0.279	0	0	0	0B	0B	17
18	0B	0B	0B	26.9	0.529	0.209	0.274	0	0	0	0B	0B	18
19	0B	0B	0B	21.9	0.491	0.201	0.266	0	0	0	0B	0B	19
20	0B	0B	0B	17.0	0.452	0.197	0.247	0	0	0	0B	0B	20
21	0B	0B	0B	12.9	0.428	0.176	0.225	0	0	0	0B	0B	21
22	0B	0B	0B	9.02	0.419	0.159	0.226	0	0	0	0B	0B	22
23	0B	0B	0B	5.86	0.376	0.164	0.223	0	0	0	0B	0B	23
24	0B	0B	0B	4.43	0.363	0.174	0.209	0	0	0	0B	0B	24
25	0B	0B	0B	3.48	0.333	0.161	0.182	0	0	0	0B	0B	25
26	0B	0B	0B	2.83	0.319	0.168	0.157	0	0	0	0B	0B	26
27	0B	0B	0B	2.77	0.309	0.162	0.141	0	0	0	0B	0B	27
28	0B	0B	0B	2.51	0.293	0.160	0.122	0	0	0	0B	0B	28
29	0B		0B	2.29	0.280	0.161	0.098	0	0	0	0B	0B	29
30	0B		0B	2.15	0.279	0.136	0.072	0	0	0	0B	0B	30
31	0B		0B		0.266		0.048	0		0		0B	31
TOTAL	0	0	0	157.032	22.745	6.138	3.621	0.026	0	0	0	0	TOTAL
MEAN	0	0	0	5.23	0.734	0.204	0.117	0.001	0	0	0	0	MEAN
MAX	0	0	0	26.9	1.96	0.271	0.279	0.022	0	0	0	0	MAX
MIN	0	0	0	0	0.266	0.136	0.001	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.519
MAXIMUM DAILY, 26.9 ON APR 18
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
38.1 AT 05:32 CST ON APR 18

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 03 34 N
LONG 101 02 56 W
DRAINAGE AREA, 3 210 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	313
FEB	0	AUG	2.25
MAR	0	SEP	0
APR	13 600	OCT	0
MAY	1 970	NOV	0
JUN	530	DEC	0

TOTAL DISCHARGE, 16 400 dam³

ARROW RIVER NEAR ARROW RIVER - STATION NO. 05MG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.28 B	0.051	0.081	0.010	0	0	0.016	---	---	1
2	---	---	0 B	3.08 B	0.056	0.062	0.006	0	0	0.022	---	---	2
3	---	---	0 B	2.81 B	0.056	0.038	0.001	0	0	0.021	---	---	3
4	---	---	0 B	2.57 B	0.079	0.028	0	0	0	0.022	---	---	4
5	---	---	0 B	2.34 B	0.071	0.005	0	0	0	0.019	---	---	5
6	---	---	0 B	2.10 B	0.082	0.209	0	0	0	0.018	---	---	6
7	---	---	0 B	2.01 B	0.078	0.362	0	0	0	0.019	---	---	7
8	---	---	0 B	1.92 B	0.073	0.325	0.288	0.005	0	0.019	---	---	8
9	---	---	0 B	1.83 B	0.060	0.254	0.098	0.001	0	0.023	---	---	9
10	---	---	0 B	3.98 B	0.113	0.187	0.024	0	0	0.046	---	---	10
11	---	---	0 B	6.13 B	0.147	0.138	0.017	0	0	0.057	---	---	11
12	---	---	0 B	4.75 B	0.139	0.099	0.012	0	0	0.055	---	---	12
13	---	---	0 B	3.35 B	0.113	0.073	0.008	0	0	0.052	---	---	13
14	---	---	0 B	2.68 B	0.106	0.033	0.004	0	0	0.042	---	---	14
15	---	---	0 B	2.39	0.106	0.022	0.001	0	0	0.032	---	---	15
16	---	---	0 B	2.03	0.138	0.022	0.052	0	0	0.028	---	---	16
17	---	---	0 B	1.66	0.169	0.021	0.258	0	0	0.026	---	---	17
18	---	---	0.001B	1.35	0.174	0.019	0.217	0	0	0.024	---	---	18
19	---	---	0.021B	0.944	0.155	0.020	0.142	0	0	0.022	---	---	19
20	---	---	0.025B	0.833	0.144	0.055	0.116	0	0	0.021	---	---	20
21	---	---	0.116B	0.676	0.135	0.031	0.057	0	0	0.021	---	---	21
22	---	---	0.207B	0.511	0.117	0.022	0.034	0	0	0.021	---	---	22
23	---	---	0.298B	0.389	0.103	0.022	0.059	0	0	0.021	---	---	23
24	---	---	0.481B	0.311	0.185	0.019	0.051	0	0	0.024	---	---	24
25	---	---	0.664B	0.221	0.152	0.017	0.026	0	0	0.033	---	---	25
26	---	---	0.807B	0.176	0.128	0.015	0.021	0	0	0.027	---	---	26
27	---	---	1.03 B	0.144	0.112	0.014	0.017	0	0	0.029	---	---	27
28	---	---	1.63 B	0.101	0.114	0.018	0.015	0	0	0.227	---	---	28
29	---		2.22 B	0.081	0.115	0.016	0.010	0	0.016	0.405	---	---	29
30	---		2.82 B	0.054	0.114	0.014	0.007	0	0.017	0.365	---	---	30
31	---		3.51 B		0.101		0.004	0		0.312		---	31
TOTAL	---	---	13.870	54.661	3.446	2.321	1.503	0.006	0.033	2.069	---	---	TOTAL
MEAN	---	---	0.447	1.82	0.111	0.077	0.048	0	0.001	0.067	---	---	MEAN
MAX	---	---	3.51	6.13	0.174	0.362	0.258	0.005	0.017	0.405	---	---	MAX
MIN	---	---	0	0.054	0.051	0.014	0	0	0	0.016	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.318
MAXIMUM DAILY, 6.13B ON APR 11
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 05 10 N
LONG 100 57 30 W
DRAINAGE AREA, 671 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	130
FEB	---	AUG	9.52
MAR	1 200	SEP	2.85
APR	4 720	OCT	179
MAY	298	NOV	---
JUN	201	DEC	---

TOTAL DISCHARGE, 6 730 dam³

ASSINIBOINE RIVER AT HEADINGLEY - STATION NO. 05MJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	13.9B	12.7B	12.8B	18.9B	120	93.3	30.8	17.8	12.6	24.1	27.3	21.7B	1
2	15.0B	12.6B	12.3B	20.3B	117	92.0	28.2	15.9	12.6	22.5	28.7	24.2B	2
3	14.0B	12.4B	12.2B	19.7B	122	90.8	26.0	15.3	12.6	21.2	29.7	26.5B	3
4	13.9B	12.0B	12.9B	19.7B	123	89.7	23.6	14.9	12.4	19.8	30.3	27.9B	4
5	14.4B	12.5B	13.2B	20.3B	122	88.3	21.5	14.5	12.2	18.3	30.3	28.1B	5
6	14.1B	12.4B	12.9B	31.7B	124	88.4	20.1	14.1	11.7	20.7	26.1B	26.6B	6
7	14.3B	12.4B	12.5B	71.3B	124	88.8	19.5	14.1	12.1	18.9	27.5B	25.2B	7
8	14.2B	12.1B	12.3B	80.7B	124	89.0	19.1	13.9	12.7	17.8	25.4B	23.8B	8
9	13.8B	12.2B	12.3B	72.3B	123	88.2	18.6	14.2	12.8	16.6	24.3B	22.3B	9
10	13.6B	12.5B	12.4B	68.7B	123	87.7	18.1	14.8	11.9	16.9	25.9B	20.0B	10
11	13.4B	12.3B	12.2B	65.1B	123	86.1	17.9	15.3	11.4	17.1	24.9B	19.3B	11
12	13.0B	12.0B	12.4B	66.0B	123	82.8	17.5	15.1	11.4	17.4	20.4B	17.6B	12
13	12.8B	11.9B	12.7B	71.5B	123	80.6	17.3	15.1	11.2	18.4	14.7B	16.9B	13
14	13.6B	12.3B	12.6B	77.4B	122	77.8	16.5	15.2	13.2	20.3	13.0B	17.3B	14
15	14.0B	12.5B	12.0B	80.7B	115	73.7	16.7	15.6	19.6	20.1	16.1B	17.0B	15
16	13.7B	12.3B	13.0B	88.1B	116	67.4	17.2	15.5	18.8	20.8	13.7B	18.3B	16
17	13.3B	12.2B	13.3B	136 B	116	69.4	17.2	15.1	15.1	22.3	15.5B	19.3B	17
18	13.0B	12.4B	13.4B	214 B	113	68.8	18.9	15.0	17.6	21.4	17.0B	19.4B	18
19	13.6B	12.6B	13.6B	186	103	68.4	25.0	15.0	18.4	20.1	18.0B	19.0B	19
20	14.3B	12.8B	13.9B	129	104	67.0	30.8	14.4	17.9	19.7	19.4B	18.7B	20
21	14.0B	12.7B	13.9B	118	97.6	64.2	27.7	14.5	17.1	19.7	29.1B	18.6B	21
22	13.7B	12.6B	13.8B	129	98.7	60.4	25.7	14.4	16.5	19.8	30.6B	18.9B	22
23	13.7B	12.5B	13.9B	130	91.7	53.2	25.5	14.2	16.0	21.5	29.3B	19.6B	23
24	13.8B	12.5B	13.7B	130	94.0	53.4	23.5	14.0	16.6	23.1	27.3B	19.9B	24
25	13.2B	12.6B	13.3B	141	94.0	51.9	20.3	14.2	19.2	23.7	23.3B	20.5B	25
26	13.0B	12.9B	12.9B	169	93.2	50.3	18.2	13.5	20.6	24.7	17.5B	20.8B	26
27	12.6B	13.1B	12.7B	180	91.9	47.3	17.2	13.4	20.3	25.7	14.7B	20.7B	27
28	12.8B	13.2B	13.0B	182	92.5	47.2	16.9	13.6	21.1	27.2	15.1B	20.0B	28
29	12.3B		13.7B	180	93.2	39.1	18.6	13.1	23.7	27.0	16.4B	20.8B	29
30	11.6B		15.9B	132	94.0	32.0	19.3	12.7	25.3	27.0	19.3B	21.0B	30
31	12.4B		19.1B		93.8		18.6	12.4		27.0		21.3B	31
TOTAL	416.6	369.4	411.5	2 928.4	3 419.6	2 132.2	652.0	450.4	482.6	660.8	672.4	852.8	TOTAL
MEAN	13.4	12.5	13.3	97.6	110	71.1	21.0	14.5	16.1	21.3	22.4	21.1	MEAN
MAX	15.0	13.2	19.1	214	124	93.3	30.8	17.8	25.3	27.2	30.6	28.1	MAX
MIN	11.6	11.9	12.2	18.9	91.7	32.0	16.5	12.4	11.2	16.8	13.7	16.9	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 36.2
MAXIMUM DAILY, 214B ON APR 18
MINIMUM DAILY, 11.2 ON SEP 13
MAXIMUM INSTANTANEOUS,
264 AT 06:35 CST ON APR 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 09 N
LONG 97 24 10 W
DRAINAGE AREA, 153 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	36 000	JUL	56 300
FEB	30 200	AUG	38 900
MAR	35 600	SEP	41 700
APR	253 000	OCT	57 100
MAY	295 000	NOV	58 100
JUN	184 000	DEC	56 400

TOTAL DISCHARGE, 1 140 000 dam³

ASSINIBOINE RIVER NEAR BRANDON - STATION NO. 05MM013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	10.3 B	12.3 B	8.47B	43.9B	92.2	36.3	6.94	6.91E	5.33	9.77	15.7	11.2B	1
2	10.4 B	12.3 B	8.41B	43.0B	98.1	36.2	6.27	7.25E	5.47	9.77	15.7	11.5B	2
3	10.3 B	12.3 B	8.38B	35.7B	98.2	35.9	6.31	7.25E	5.25	9.76	15.4	13.5B	3
4	9.94B	12.3 B	8.41B	30.2B	99.4	35.2	5.99	7.05E	5.08	9.83	14.8	13.5B	4
5	10.1 B	12.2 B	8.47B	26.5B	99.9	35.3	6.15	7.19E	4.87	9.96	14.3	15.8B	5
6	10.4 B	12.3 B	8.50B	24.2B	98.2	35.8	6.05	7.28E	4.84	5.03	13.1 B	16.3B	6
7	10.8 B	12.3 B	8.52B	22.4B	98.6	35.5	5.99	7.31E	4.91	5.66	10.8 B	16.8B	7
8	11.1 B	12.4 B	8.66B	21.8B	99.6	34.8	5.78	7.31E	4.92	6.66	10.6 B	17.7B	8
9	11.2 B	12.5 B	8.61B	23.3B	98.7	34.5	5.95	7.22E	4.84	7.62	10.1 B	17.7B	9
10	11.3 B	12.5 B	8.81B	24.7B	98.9	33.9	6.21	7.11E	4.55	7.73	9.45B	17.5B	10
11	11.5 B	12.5 B	8.89B	27.7B	98.4	33.1	6.53	6.91E	4.52	8.30	12.2 B	17.2B	11
12	11.6 B	12.6 B	8.75B	43.6B	95.9	32.4	6.57	6.85E	4.16	8.88	15.4 B	16.5B	12
13	11.6 B	12.7 B	8.50B	56.9B	94.0	31.9	7.14	7.02E	4.19	8.94	15.5 B	15.3B	13
14	11.6 B	12.7 B	7.84B	59.8	92.6	31.5	7.15	6.68E	4.23	9.19	16.7 B	14.8B	14
15	11.6 B	12.8 B	7.67B	65.2	91.8	31.0	7.58	6.28E	4.34	9.95	17.8 B	14.7B	15
16	11.5 B	12.7 B	8.21B	67.4	41.5	30.3	8.86	6.23E	4.30	10.4	15.9 B	15.3B	16
17	11.3 B	12.5 B	8.81B	69.7	40.8	29.5	10.6	5.78A	4.30	10.9	14.1 B	16.1B	17
18	11.4 B	12.3 B	8.58B	71.2	39.6	28.9	8.75E	5.89A	4.19	10.8	13.3 B	16.3B	18
19	11.6 B	11.7 B	8.21B	74.6	38.5	28.5	6.43E	5.38A	4.00	10.7	12.4 B	16.7B	19
20	11.6 B	11.3 B	8.18B	87.4	37.8	28.1	6.00E	5.44E	3.97	10.9	13.1 B	16.6B	20
21	11.7 B	11.0 B	8.19B	95.5	37.5	26.8	5.95E	5.49E	4.05	11.9	18.9 B	16.6B	21
22	11.8 B	10.7 B	8.21B	108	37.0	23.9	6.31E	5.64E	3.75	12.8	18.5 B	16.8B	22
23	12.0 B	10.7 B	8.75B	105	37.1	19.7	6.03E	5.78A	3.77	13.4	17.5 B	17.2B	23
24	11.8 B	10.7 B	10.1 B	87.0	38.0	15.7	6.17E	6.33	3.77	13.6	18.9 B	17.2B	24
25	11.8 B	10.4 B	9.88B	74.0	38.4	12.6	6.23E	6.32	3.66	13.8	21.0 B	17.3B	25
26	11.9 B	9.51B	9.43B	62.3	38.3	10.5	6.12E	6.14	3.65	13.8	21.8 B	17.2B	26
27	12.1 B	8.81B	8.75B	55.6	38.2	9.14	5.92E	5.86	3.66	13.7	19.7 B	17.8B	27
28	11.9 B	8.50B	8.52B	53.3	37.7	8.82	6.06E	5.68	4.39	14.3	16.3 B	18.0B	28
29	11.9 B		11.1 B	52.0	37.8	8.08	6.14E	5.76	5.20	15.3	13.9 B	18.3B	29
30	12.0 B		21.1 B	51.0	37.2	7.21	6.37E	5.55	5.06	15.2	12.4 B	18.3B	30
31	12.2 B		36.8 B		36.8		6.51E	5.54		15.6		18.5B	31
TOTAL	352.24	327.52	309.68	1 657.2	1 333.5	799.85	204.55	198.41	133.22	308.83	454.45	503.9	TOTAL
MEAN	11.4	11.7	9.99	55.2	43.0	26.7	6.60	6.40	4.44	9.96	15.1	16.3	MEAN
MAX	12.2	12.8	36.8	108	50.6	36.3	10.6	7.31	5.47	15.6	21.8	18.5	MAX
MIN	9.94	8.50	7.67	21.8	36.8	7.21	5.78	5.38	3.65	4.76	9.45	11.2	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.0
MAXIMUM DAILY, 108 ON APR 22
MINIMUM DAILY, 3.65 ON SEP 26
MAXIMUM INSTANTANEOUS,
117 AT 12:40 CST ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 20 N
LONG 100 06 10 W
DRAINAGE AREA, 85 700 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	30 400	JUL	17 700
FEB	28 300	AUG	17 100
MAR	26 600	SEP	11 500
APR	143 000	OCT	26 700
MAY	115 000	NOV	39 300
JUN	69 100	DEC	43 500

TOTAL DISCHARGE, 568 000 dam³

ASSINIBOINE RIVER NEAR HOLLAND - STATION NO. 05MM005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.1B	14.7B	12.5B	20.0B	128	88.2	21.0	13.8	12.3	14.7	25.4	27.3B	1
2	15.1B	14.7B	12.7B	55.1B	128	87.2	19.9	13.8	12.3	14.2	25.7	26.3B	2
3	15.1B	14.6B	12.5B	85.0B	128	85.5	19.0	13.8	12.4	13.9	26.2	24.5B	3
4	15.1B	14.2B	12.2B	71.5B	128	83.8	17.9	13.8	12.4	13.6	26.5	23.5B	4
5	15.1B	13.6B	12.6B	61.2B	127	82.4	18.3	13.7	12.1	13.4	25.7B	22.2B	5
6	15.1B	13.8B	12.1B	58.4B	126	82.2	18.3	14.5	11.8	13.3	24.5B	21.3B	6
7	15.1B	13.7B	12.0B	52.1B	125	84.0	16.1	14.8	11.6	13.4	24.6B	19.9B	7
8	15.4B	13.3B	11.9B	49.5B	125	83.5	15.3	14.5	11.2	13.4	24.7B	19.3B	8
9	15.4B	13.7B	11.9B	48.0B	123	79.8	15.0	14.8	11.2	13.7	22.6B	19.1B	9
10	15.4B	14.2B	11.8B	47.2B	123	76.5	15.2	14.9	11.2	15.2	19.7B	19.5B	10
11	15.5B	14.3B	12.1B	46.0B	126	73.3	15.2	14.2	11.3	17.3	19.0B	20.8B	11
12	15.5B	13.3B	12.2B	48.4B	125	70.1	14.6	13.8	11.3	19.2	16.7B	21.0B	12
13	15.7B	13.7B	12.4B	58.7B	119	67.6	14.7	13.8	11.4	21.2	17.7B	22.0B	13
14	15.6B	14.5B	13.5B	101 B	114	65.7	14.4	13.9	11.3	20.3A	18.4B	22.2B	14
15	15.7B	14.8B	13.2B	207 B	109	64.5	15.7	14.3	11.3	19.5	23.2B	21.6B	15
16	15.8B	14.8B	13.1B	239 A	105	62.6	19.0	14.2	11.3	18.9	32.0B	21.2B	16
17	15.8B	14.9B	12.8B	223 A	103	60.5	24.3	14.3	11.2	18.5	31.4B	20.5B	17
18	15.8B	15.4B	12.9B	179 A	102	56.4	21.3	14.1	11.2	18.1	29.1B	20.9B	18
19	15.7B	15.3B	12.0B	146 A	99.5	52.9	22.7	13.4	11.6	17.9	27.1B	21.2B	19
20	15.7B	15.8B	11.3B	135 A	96.7	50.3	20.0	13.5	12.9A	18.9	25.6B	21.5B	20
21	15.6B	16.0B	10.9B	134	94.0	47.5	17.4	13.6	12.6E	20.3	26.5B	21.6B	21
22	15.8B	15.3B	10.9B	140	92.2	44.7A	15.9	13.9	12.7E	20.5	22.8B	22.0B	22
23	16.0B	14.7B	10.8B	169	91.0	41.4E	15.6	13.8	12.9E	21.1	22.5B	22.1B	23
24	15.7B	14.6B	11.2B	207	90.3	38.1E	15.1	13.7	13.0A	21.6	24.3B	22.2B	24
25	15.9B	12.0B	11.4B	186	91.0	34.8A	15.1	13.6	12.8	21.9	25.4B	22.0B	25
26	15.6B	12.5B	11.6B	160	92.4	31.0	15.2	13.2	12.1	21.7	26.1B	22.1B	26
27	15.4B	14.6B	11.5B	143	92.4	28.0	14.9	13.1	12.5	21.0	28.3B	22.6B	27
28	15.3B	13.9B	11.8B	133	91.9	25.7	14.6	13.1	14.6	21.9	29.3B	22.5B	28
29	15.3B		13.3B	129	91.5	23.9	14.8	12.9	14.7	23.4	30.1B	22.3B	29
30	15.0B		15.8B	128	90.4	22.4	14.4	12.7	15.0	24.6	30.1B	22.6B	30
31	14.8B		17.4B		89.5		14.1	12.5		25.1		22.6B	31
TOTAL	479.1	400.9	383.3	3 460.1	3 366.8	1 794.5	525.0	427.8	365.7	571.7	751.5	680.1	TOTAL
MEAN	15.5	14.3	12.4	115	109	59.8	16.9	13.8	12.2	18.4	25.1	21.9	MEAN
MAX	16.0	16.0	17.4	239	128	88.2	24.3	14.9	15.0	25.1	32.0	27.3	MAX
MIN	14.8	12.0	10.8	20.0	89.5	22.4	14.1	12.5	11.2	13.3	16.7	19.1	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 36.2
MAXIMUM DAILY, 239A ON APR 16
MINIMUM DAILY, 10.8B ON MAR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 54 N
LONG 98 53 56 W
DRAINAGE AREA, 153 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	41 400	JUL	65 400
FEB	34 600	AUG	37 000
MAR	33 100	SEP	31 000
APR	299 000	OCT	69 000
MAY	291 000	NOV	69 900
JUN	155 000	DEC	58 000

TOTAL DISCHARGE, 1 140 000 dam³

ASSINIBOINE RIVER NEAR MINIOTA - STATION NO. 05MH006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.80B	10.1 B	7.15B	15.1 B	32.4	31.3	6.51	5.92	3.85	4.52	13.4	15.0B	1
2	10.1 B	9.99B	7.15B	17.2 B	34.3	31.6	6.49	5.84	3.83	4.66	13.1	14.8B	2
3	10.5 B	9.89B	7.24B	15.0 B	35.8	31.2	6.46	5.84	3.83	5.95	13.0	14.5B	3
4	10.8 B	9.82B	7.42B	13.2 B	36.6	30.7	6.27	5.75	3.81	7.25	10.1	14.4B	4
5	10.9 B	9.71B	7.38B	11.5 B	36.7	30.5	5.91	5.56	3.77	7.68	10.2	14.2B	5
6	11.0 B	9.68B	7.47B	11.2 B	36.8	30.5	5.56	5.49	3.68	7.50	9.27	13.7B	6
7	11.0 B	9.56B	7.54B	10.0 B	36.7	30.6	5.27	5.66	3.66	7.91	9.08B	13.6B	7
8	11.0 B	9.50B	6.82B	9.26B	35.9	30.1	4.98	5.34	3.82	8.39	8.99B	13.2B	8
9	11.0 B	9.44B	5.81B	9.68B	34.7	29.8	4.96	4.91	3.85	8.24	15.2 B	11.4B	9
10	10.9 B	9.41B	5.61B	9.22B	33.9	29.8	4.92	4.87	3.74	8.75	14.0 B	10.6B	10
11	10.8 B	9.42B	5.70B	10.9 B	33.7	29.4	4.89	4.73	3.72	10.2	13.0 B	11.0B	11
12	10.8 B	9.29B	5.71B	19.7 B	32.9	28.5	4.73	4.69	3.69	10.4	12.5 B	12.4B	12
13	10.7 B	9.08B	5.28B	31.4 B	32.1	28.0	4.49	4.40	3.69	10.3	10.5 B	13.2B	13
14	10.5 B	8.25B	5.16B	45.6 B	31.6	27.4	4.45	3.91	3.70	10.1	10.4 B	13.2B	14
15	10.6 B	7.50B	5.15B	60.6 B	31.1	27.0	4.40	3.97	3.67	9.96	12.4 B	13.7B	15
16	10.4 B	7.25B	5.53B	67.3 B	30.8	26.5	4.75	4.11	3.72	10.4	15.4 B	13.9B	16
17	10.3 B	7.19B	5.93B	64.4 B	30.6	25.6	4.84	4.15	3.79	11.5	15.6 B	13.9B	17
18	10.2 B	7.54B	6.17B	60.9 B	30.4	23.8	4.55	4.16	3.81	12.5	15.0 B	14.1B	18
19	10.0 B	7.96B	6.34B	61.6 B	30.3	18.6	4.61	5.82	3.80	12.7	14.0 B	14.3B	19
20	9.87B	8.28B	6.34B	58.8 B	30.6	12.8	4.52	5.27	3.76	12.8	13.3 B	14.3B	20
21	10.0 B	7.59B	5.42B	46.8 B	30.7	9.95	4.34	4.82	3.93	12.7	20.7 B	14.4B	21
22	10.0 B	6.63B	4.47B	41.8	30.8	8.67	4.49	4.66	3.87	12.7	20.2 B	14.6B	22
23	9.99B	6.73B	4.43B	32.1	30.9	7.99	4.61	4.62	3.81	12.7	18.1 B	15.3B	23
24	10.1 B	6.96B	5.07B	29.9	31.1	7.38	4.85	4.62	3.81	12.5	13.8 B	15.8B	24
25	10.1 B	7.30B	5.85B	31.0	31.2	6.98	5.02	4.44	3.79	12.5	11.2 B	15.9B	25
26	10.1 B	7.12B	6.24B	30.6	31.1	6.73	5.45	4.22	3.77	12.6	12.1 B	16.0B	26
27	10.1 B	7.02B	6.32B	30.4	31.2	6.62	5.79	4.11	3.77	12.7	12.5 B	15.2B	27
28	10.2 B	7.09B	5.92B	31.0	31.2	6.65	5.82	4.02	3.98	13.5	12.7 B	15.9B	28
29	10.1 B		5.93B	31.8	31.3	6.68	5.64	3.99	4.12	14.1	13.7 B	16.0B	29
30	10.3 B		6.37B	32.7	31.3	6.64	5.79	3.95	4.36	13.9	14.6 B	15.5B	30
31	10.1 B		10.2 B		31.2		5.88	3.91		13.7		15.2B	31
			13.8 B										
TOTAL	322.26	235.30	200.99	981.46	1 010.9	627.99	160.84	147.83	118.48	325.11	408.24	439.6	TOTAL
MEAN	10.4	8.40	6.48	31.4	32.6	20.9	5.19	4.77	3.81	10.5	13.6	14.2	MEAN
MAX	11.0	10.1	13.8	67.3	36.8	31.6	6.51	5.92	4.36	14.1	20.7	16.9	MAX
MIN	9.80	6.63	4.43	9.22	30.3	6.62	4.34	3.91	3.66	4.52	9.27	10.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.5
MAXIMUM DAILY, 67.3B ON APR 16
MINIMUM DAILY, 3.66 ON SEP 7

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 06 39 N
LONG 101 02 08 W
DRAINAGE AREA, 76 100 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	27 800	JUL	13 900
FEB	20 300	AUG	12 800
MAR	17 400	SEP	9 880
APR	81 300	OCT	28 100
MAY	87 300	NOV	35 300
JUN	54 300	DEC	38 000

TOTAL DISCHARGE, 426 000 dam³

ASSINIBOINE RIVER NEAR PORTAGE LA PRAIRIE - STATION NO. 05MJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.7B	14.4B	11.7 B	19.2B	130	99.3	29.4	17.7	14.1	19.8	28.9	29.6B	1
2	15.2B	14.4B	12.1 B	22.2B	134	98.2	27.8	17.3	13.9	19.3	29.8	28.5B	2
3	15.0B	15.1B	12.0 B	25.6B	134	97.2	24.4	16.7	13.8	17.3	29.8	25.5B	3
4	14.2B	14.7B	11.1 B	54.9B	135	95.3	25.9	16.4	13.3	21.0	29.2	23.2B	4
5	14.6B	14.1B	10.8 B	80.4B	136	94.6	26.4	16.6	13.9	16.7	30.9	21.4B	5
6	14.1B	13.7B	10.5 B	78.1B	135	98.2	26.1	16.6	14.0	16.9	29.7	21.2B	6
7	14.2B	14.1B	10.6 B	66.6B	134	94.8	25.1	16.7	13.8	15.5	29.2	21.0B	7
8	14.8B	14.2B	10.3 B	61.9B	133	94.6	23.6	16.8	13.1	15.7	29.5	22.3B	8
9	14.1B	13.4B	10.2 B	56.9B	133	94.1	21.9	17.4	13.1	15.6	30.8	22.3B	9
10	13.0B	12.9B	10.2 B	54.5B	133	91.8	20.7	17.1	13.2	15.8	25.4	21.5B	10
11	13.7B	13.2B	9.98B	52.8B	134	87.9	20.5	17.0	13.1	17.8	24.9	21.6B	11
12	13.5B	14.0B	10.3 B	50.5B	134	85.8	20.0	16.7	15.9	18.8	17.1	20.9B	12
13	14.1B	14.0B	10.4 B	66.5B	129	82.8	20.3	16.3	21.6	19.3	12.8B	20.5B	13
14	13.8B	13.4B	10.5 B	81.1B	125	74.8	20.2	16.6	19.0	19.2	15.4B	20.2B	14
15	12.9B	13.3B	10.6 B	99.1B	126	75.5	19.3	16.7	15.3	20.6	16.5B	20.1B	15
16	13.1B	13.4B	10.8 B	170 B	123	75.2	20.7	16.4	13.7	19.1	14.0B	19.6B	16
17	13.9B	13.6B	11.3 B	140	115	73.8	27.4	16.2	18.1	18.6	15.2B	18.8B	17
18	14.6B	13.6B	11.4 B	107	112	73.6	36.4	16.2	19.2	18.5	21.3B	18.4B	18
19	14.4B	13.4B	11.1 B	133	109	71.2	31.3	16.4	17.1	18.6	24.7B	17.9B	19
20	13.0B	13.2B	11.0 B	134	107	67.8	28.5	15.9	18.7	18.4	23.6B	18.1B	20
21	13.6B	13.1B	10.9 B	144	104	61.2	27.9	15.6	18.7	19.9	30.2B	18.2B	21
22	14.2B	13.9B	10.5 B	140	101	57.8	25.6	15.8	19.6	21.1	30.2B	18.4B	22
23	14.9B	13.8B	10.3 B	134	103	58.3	22.3	15.8	19.0	21.7	25.6B	19.0B	23
24	14.6B	13.9B	10.1 B	167	103	56.3	20.6	15.3	21.0	22.9	18.0B	19.2B	24
25	15.1B	12.9B	10.3 B	202	101	52.9	19.5	15.3	19.5	23.8	18.5B	19.3B	25
26	14.9B	12.5B	10.6 B	190	101	48.5	18.9	15.3	19.3	25.2	20.9B	19.6B	26
27	14.2B	11.7B	10.7 B	168	102	46.6	19.8	14.5	21.2	25.3	22.4B	19.9B	27
28	14.5B	11.1B	11.1 B	149	103	37.6	20.1	14.3	24.3	25.5	26.0B	19.8B	28
29	15.9B		12.7 B	137	103	36.1	20.5	14.0	23.3	26.0	28.1B	20.1B	29
30	15.5B		15.1 B	126	102	33.7	19.1	14.3	20.9	25.7	29.4B	20.1B	30
31	15.2B		17.0 B		101		17.9	14.1		27.0		20.7B	31
TOTAL	444.3	376.0	346.18	3 153.3	3 675	2 288.9	727.9	498.0	530.7	633.8	728.8	687.3	TOTAL
MEAN	14.3	13.4	11.2	105	119	73.6	23.5	16.1	17.8	20.1	24.3	20.9	MEAN
MAX	15.9	15.1	17.0	202	136	99.3	36.4	17.7	24.3	27.0	30.9	29.6	MAX
MIN	12.9	11.1	9.98	19.2	101	32.7	17.9	14.0	13.7	15.5	12.8	17.9	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 38.2
MAXIMUM DAILY, 202 ON APR 25
MINIMUM DAILY, 9.98B ON MAR 11
MAXIMUM INSTANTANEOUS, 305 AT 08:32 CST ON APR 25

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 09 N
LONG 98 16 03 W
DRAINAGE AREA, 152 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	38 400	JUL	62 900
FEB	32 500	AUG	63 000
MAR	29 900	SEP	65 000
APR	272 000	OCT	53 900
MAY	318 000	NOV	62 900
JUN	191 000	DEC	55 900

TOTAL DISCHARGE, 1 310 000 dam³

ASSINIBOINE RIVER NEAR RUSSELL - STATION NO. 05MD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.04B	9.28B	4.34 B	1.17 B	0.830	0.802	0.536	0.579	0.985	0.829	1.19	12.1 B	1
2	9.03B	9.21B	4.58 B	0.835B	0.755	0.760	0.598	0.651	1.08	0.887	1.18	12.1 B	2
3	9.07B	9.17B	5.13 B	0.513B	0.768	0.793	0.648	0.668	1.05	1.28	1.10B	12.0 B	3
4	9.08B	9.26B	4.74 B	1.56 B	0.832	0.731	0.629	0.688	1.03	1.48	0.78B	12.0 B	4
5	9.04B	9.24B	3.23 B	1.93 B	0.802	0.743	0.585	0.716	0.986	1.42	3.36B	11.9 B	5
6	8.58B	9.26B	3.09 B	1.59 B	0.808	0.843	0.537	0.784	0.986	1.33	3.34B	10.8 B	6
7	8.53B	9.32B	2.95 B	1.68 B	0.802	0.806	0.591	0.721	1.04	1.27	3.44B	11.6 B	7
8	8.55B	9.28B	3.34 B	2.03 B	0.763	0.715	0.601	0.639	1.01	1.25	3.06B	11.8 B	8
9	8.42B	9.14B	2.46 B	2.36 B	0.758	0.738	0.626	0.612	1.06	1.38	3.57B	12.9 B	9
10	8.36B	9.06B	2.00 B	2.69 B	0.873	0.712	0.614	0.588	1.05	1.34	3.67B	14.5 B	10
11	8.47B	7.28B	2.13 B	3.94 B	0.981	0.698	0.576	0.535	1.01	1.31	3.78B	12.0 B	11
12	8.55B	6.60B	2.44 B	3.30 B	0.855	0.874	0.546	0.626	0.983	1.28	3.88B	12.0 B	12
13	8.60B	6.81B	2.40 B	3.14 B	0.838	0.803	0.515	0.726	0.984	1.25	5.18B	10.9 B	13
14	8.72B	6.85B	2.99 B	4.98 B	0.821	0.668	0.519	0.824	0.853	1.24	6.30B	9.49B	14
15	8.69B	7.08B	3.15 B	4.81 B	0.789	0.658	0.587	0.874	0.804	1.23	8.03B	9.47B	15
16	8.59B	7.07B	3.41 B	1.92 B	0.889	0.674	0.872	0.703	0.778	1.20	8.88B	9.70B	16
17	8.95B	7.14B	2.46 B	1.25 B	0.969	0.661	1.13	0.559	0.799	1.30	9.66B	10.1 B	17
18	9.16B	6.88B	1.18 B	1.58	0.935	0.668	1.11	1.16	0.798	1.27	10.6 B	9.91B	18
19	9.20B	3.70B	1.26 B	2.58	0.855	0.724	0.991	1.06	0.731	1.21	11.6 B	9.88B	19
20	9.18B	3.07B	1.37 B	2.66	0.793	0.681	0.772	0.770	0.705	1.18	11.8 B	9.82B	20
21	9.30B	3.83B	1.47 B	2.55	0.761	0.668	0.621	0.663	0.735	1.16	12.0 B	11.3 B	21
22	9.42B	3.94B	1.58 B	2.32	0.762	0.652	0.582	0.695	0.729	1.17	12.2 B	11.8 B	22
23	9.55B	3.66B	1.48 B	2.46	0.719	0.727	0.717	0.679	0.744	1.19	12.3 B	11.4 B	23
24	9.50B	4.10B	1.24 B	2.07	0.748	0.685	0.751	0.701	0.711	1.21	12.4 B	11.5 B	24
25	9.63B	3.97B	0.980B	1.54	0.745	0.633	0.672	0.729	0.629	1.18	12.6 B	9.35B	25
26	9.53B	3.92B	0.898B	1.28	0.750A	0.650	0.585	0.796	0.717	1.18	12.5 B	11.0 B	26
27	9.64B	4.24B	0.633B	1.18	0.765A	0.638	0.548	0.788	0.687	1.23	12.4 B	13.2 B	27
28	9.16B	4.84B	1.04 B	1.01	0.769	0.652	0.563	0.758	0.848	1.37	12.4 B	9.24B	28
29	9.57B		1.45 B	1.00	0.785	0.657	0.616	0.899	1.03	1.36	12.3 B	10.1 B	29
30	9.29B		1.99 B	1.05	0.863	0.595	0.583	0.832	1.00	1.26	12.2 B	10.6 B	30
31	9.37B		1.54 B		0.884		0.622	0.893		1.21		12.1 B	31
TOTAL	279.34	186.10	72.781	66.738	25.144	20.917	20.414	22.830	26.384	38.356	230.17	368.36	TOTAL
MEAN	9.01	6.65	2.35	2.22	0.811	0.697	0.659	0.736	0.879	1.24	7.67	11.2	MEAN
MAX	9.64	9.32	5.13	5.30	0.969	0.843	1.13	1.16	1.08	1.48	12.6	14.5	MAX
MIN	8.36	3.66	0.633	0.513	0.719	0.595	0.515	0.535	0.629	0.829	1.16	9.24	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.66
MAXIMUM DAILY, 14.5B ON DEC 10
MINIMUM DAILY, 0.513B ON APR 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 48 35 N
LONG 101 26 10 W
DRAINAGE AREA, 19 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1969

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	24 100	JUL	1 760
FEB	16 100	AUG	1 970
MAR	6 290	SEP	2 280
APR	5 770	OCT	3 310
MAY	2 170	NOV	19 900
JUN	1 810	DEC	30 100

TOTAL DISCHARGE, 116 000 dam³

ATHAPAPUSKOW LAKE AT CRANBERRY PORTAGE - STATION NO. 05KG005

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	291.921	291.848	291.813	291.789	1
2	291.681A	---	---	---	---	---	---	---	291.925	291.839	291.812	291.782	2
3	---	---	---	291.784A	---	---	292.026A	---	291.923	291.826	291.804	291.793	3
4	---	---	---	---	---	---	---	---	291.922	291.830	291.800A	291.791	4
5	---	291.716A	291.748A	---	---	291.982A	---	---	291.910	291.832	---	291.799	5
6	---	---	---	---	---	---	---	291.977A	291.911	291.824	---	291.803	6
7	---	---	---	291.786A	---	---	---	---	291.910	291.822	---	291.808	7
8	---	---	---	---	291.827A	---	---	---	291.912	291.824	---	291.803	8
9	291.690A	---	---	---	---	---	292.018A	---	291.907	291.825	---	291.812A	9
10	---	---	---	291.783A	---	---	---	---	291.902	291.824	---	---	10
11	---	---	---	---	---	291.975A	---	---	291.915	291.820	---	---	11
12	---	---	291.755A	---	---	---	---	---	291.898	291.825	---	---	12
13	---	291.722A	---	---	---	---	---	291.971A	291.888	291.827	---	---	13
14	---	---	---	---	291.871A	---	291.994A	---	291.885	291.826	---	---	14
15	---	---	---	---	---	---	---	---	291.882	291.823	---	---	15
16	291.708A	---	---	291.782A	---	---	292.008A	---	291.878	291.806	---	---	16
17	---	---	291.778A	---	---	---	---	---	291.875	291.812	---	---	17
18	---	---	---	---	---	291.985A	---	---	291.872	291.825	---	---	18
19	---	291.715A	---	---	---	---	---	---	291.867	291.830	---	---	19
20	---	---	291.772A	---	---	---	---	---	291.864	291.837	---	---	20
21	---	---	---	---	291.914A	---	---	291.961A	291.863	291.821	---	---	21
22	291.695A	---	---	---	---	---	---	---	291.859	291.809	---	---	22
23	---	---	---	291.765A	---	---	---	291.963A	291.855	291.816	---	---	23
24	---	---	---	---	---	---	291.984A	291.955	291.854	291.818	---	---	24
25	---	---	---	---	---	292.026A	---	291.953	291.852	291.814	291.782A	---	25
26	---	291.740A	291.779A	---	---	---	---	291.942	291.848	291.811	291.781	---	26
27	---	---	---	---	---	---	---	291.924	291.829	291.817	291.779	---	27
28	---	---	---	---	291.943A	---	---	291.913	291.813	291.821	291.779	---	28
29	291.720A		---	291.789A	---	---	---	291.927	291.840	291.825	291.779	291.817A	29
30	---		---	---	---	---	291.974A	291.914	291.846	291.823	291.782	---	30
31	---		---		---		---	291.910		291.813		---	31
MEAN	---	---	---	---	---	---	---	---	291.881	291.822	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	291.925	291.840	---	---	MAX
MIN	---	---	---	---	---	---	---	---	291.813	291.806	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 35 00 N
LONG 101 23 00 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BACK LAKE NEAR GEORGE HOUSE - STATION NO. 08AA003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	187.357	187.357	187.362	187.322	187.516	187.488	187.268	187.417	187.368A	187.335	187.255	1
2	---	187.368	187.361	187.333	187.328	187.525	187.422	187.235	187.423	187.375	187.327	187.261	2
3	---	187.369	187.358	187.336	187.346	187.536	187.405	187.207	187.438	187.378	187.321	187.276	3
4	---	187.369	187.358	187.335	187.365	187.541	187.406	187.237	187.439	187.335	187.314	187.284	4
5	---	187.366	187.351	187.334	187.381	187.538	187.414	187.259	187.407	187.331	187.309	187.287	5
6	---	187.350	187.358	187.332	187.393	187.541	187.396	187.265	187.402	187.367	187.309	187.297	6
7	---	187.351	187.360	187.338	187.407	187.550	187.405	187.265	187.398	187.341	187.307	187.299	7
8	187.333A	187.354	187.366	187.335	187.412	187.566	187.408	187.289	187.398	187.363	187.307	187.298	8
9	187.323	187.366	187.363	187.332	187.426	187.563	187.388	187.301	187.398	187.345	187.328	187.301	9
10	187.361	187.348	187.348	187.328	187.431	187.566	187.378	187.317	187.384	187.335	187.345	187.304	10
11	187.339	187.350	187.346	187.328	187.446	187.580	187.351	187.325	187.401	187.332	187.298	187.306	11
12	187.334	187.348	187.345	187.325	187.449	187.537	187.352	187.335	187.430	187.333	187.294	187.303	12
13	187.326	187.365	187.356	187.322	187.457	187.530	187.351	187.330	187.385	187.348	187.305	187.299	13
14	187.338	187.367	187.355	187.321	187.480	187.525	187.369	187.333	187.392	187.351	187.291	187.301	14
15	187.336	187.369	187.350	187.307	187.462	187.530	187.348	187.371	187.411	187.383	187.279	187.306	15
16	187.336	187.366	187.353	187.312	187.467	187.507	187.361	187.395	187.416	187.332	187.288	187.309	16
17	187.339	187.367	187.365	187.317	187.478	187.513	187.319	187.387	187.392	187.313	187.281	187.317	17
18	187.332	187.359	187.365	187.316	187.486	187.514	187.316	187.387	187.388	187.311	187.277	187.339	18
19	187.333	187.355	187.366	187.312	187.483	187.485	187.316	187.395	187.381	187.332	187.276	187.363	19
20	187.333	187.357	187.365	187.310	187.499	187.471	187.358	187.401	187.386	187.342	187.268	187.339	20
21	187.333	187.366	187.365	187.311	187.506	187.469	187.335	187.408	187.395A	187.340	187.265	187.338	21
22	187.336	187.368	187.362	187.306	187.508	187.473	187.313	187.418	187.400E	187.329	187.275	187.332	22
23	187.336	187.363	187.362	187.297	187.512	187.478	187.308	187.418	187.397E	187.316	187.269	187.335	23
24	187.332	187.361	187.339	187.290	187.517	187.474	187.297	187.417	187.389E	187.328	187.273	187.344	24
25	187.339	187.358	187.362	187.291	187.526	187.471	187.292	187.428	187.392E	187.320	187.275	187.346	25
26	187.362	187.355	187.335	187.293	187.510	187.486	187.278	187.437	187.387E	187.319	187.288	187.342	26
27	187.350	187.350	187.332	187.287	187.505	187.476	187.268	187.428	187.378E	187.317	187.284	187.348	27
28	187.359	187.350	187.335	187.288	187.505	187.462	187.267	187.419	187.354E	187.318	187.279	187.345	28
29	187.359		187.331	187.290	187.510	187.462	187.274	187.414	187.349E	187.321	187.268	187.343	29
30	187.352		187.339	187.304	187.496	187.451	187.270	187.419	187.352E	187.307	187.258	187.338	30
31	187.349		187.349		187.503		187.255	187.413		187.357		187.335	31
MEAN	---	187.353	187.346	187.316	187.455	187.507	187.352	187.351	187.395	187.336	187.292	187.315	MEAN
MAX	---	187.368	187.361	187.342	187.526	187.550	187.449	187.437	187.439	187.375	187.345	187.346	MAX
MIN	---	187.345	187.331	187.287	187.322	187.451	187.255	187.207	187.344	187.311	187.240	187.255	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 187.550 ON JUN 7
MINIMUM DAILY, 187.287 ON AUG 3
MAXIMUM INSTANTANEOUS,
187.560 AT 04:07 CST ON JUN 7

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY -150.967 m ADJUSTMENT TO CONVERT TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 56 30 N
LONG 95 14 58 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

BADGER CREEK NEAR CARTWRIGHT - STATION NO. 05OA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.017B	0.007B	0.006B	9.17B	2.17	1.15	1.47	0.678	0.845	0.238	0.520	0.111B	1
2	0.018B	0.007B	0.007B	7.96B	1.96	1.07	1.39	0.659	0.888	0.242	0.522	0.203B	2
3	0.017B	0.007B	0.008B	5.67B	1.94	0.986	1.32	0.606	0.824	0.217	0.479	0.273B	3
4	0.016B	0.007B	0.008B	11.1 B	1.82	0.889	1.23	0.576	0.773	0.255	0.378	0.226B	4
5	0.016B	0.006B	0.007B	4.02B	1.46	0.841	1.37	0.544	0.705	0.263	0.376	0.183B	5
6	0.016B	0.006B	0.007B	3.18B	1.81	0.850	1.40	0.588	0.633	0.237	0.407	0.181B	6
7	0.016B	0.006B	0.007B	2.98B	1.23	1.04	1.31	0.513	0.563	0.262	0.383	0.192B	7
8	0.015B	0.005B	0.007B	2.24B	1.08	1.37	1.26	0.478	0.532	0.257	0.361	0.179B	8
9	0.014B	0.005B	0.007B	2.25B	1.15	2.63	1.33	0.481	0.436	0.279	0.319	0.153B	9
10	0.015B	0.005B	0.007B	1.87B	1.73	3.78	1.36	0.426	0.352	0.367	0.307	0.129B	10
11	0.015B	0.005B	0.007B	2.68B	2.84	4.41	1.33	0.426	0.288	0.537	0.323	0.106B	11
12	0.014B	0.005B	0.007B	15.6 B	3.76	4.37	1.31	0.434	0.307	0.668	0.279	0.084B	12
13	0.013B	0.005B	0.007B	26.5 B	3.76	4.60	1.28	0.481	0.187	0.712	0.213	0.073B	13
14	0.012B	0.005B	0.008B	23.5 B	3.43	4.51	1.25	0.453	0.159	0.723	0.233	0.069B	14
15	0.012B	0.005B	0.011B	21.0 B	3.00	4.14	1.28	0.441	0.136	0.764	0.257	0.069B	15
16	0.012B	0.004B	0.013B	15.6 B	3.13	3.99	1.27	0.422	0.116	0.736	0.238	0.059B	16
17	0.012B	0.004B	0.013B	11.2 B	3.02	3.68	1.22	0.416	0.107	0.903	0.229	0.059B	17
18	0.011B	0.004B	0.013B	8.89	3.52	3.38	1.17	0.373	0.102	1.22	0.223	0.056B	18
19	0.011B	0.004B	0.012B	7.06	3.52	3.23	1.16	0.344	0.112	1.02	0.220	0.054B	19
20	0.010B	0.004B	0.012B	5.79	3.28	2.94	1.12	0.335	0.114	0.849	0.233	0.054B	20
21	0.010B	0.004B	0.012B	5.20	2.95	2.82	1.07	0.339	0.116	0.760	0.215	0.055B	21
22	0.010B	0.005B	0.015B	4.71	2.58	2.69	1.01	0.346	0.116	0.760	0.162B	0.055B	22
23	0.010B	0.005B	0.025B	4.35	2.39	2.66	0.986	0.388	0.156	0.735	0.134B	0.054B	23
24	0.010B	0.005B	0.027B	3.82	2.18	2.47	0.988	0.446	0.173	0.671	0.143B	0.055B	24
25	0.009B	0.005B	0.025B	3.19	1.99	2.28	0.962	0.499	0.167	0.688	0.155B	0.055B	25
26	0.009B	0.005B	0.024B	2.88	1.79	2.17	0.887	0.584	0.158	0.551	0.144B	0.052B	26
27	0.008B	0.005B	0.022B	2.79	1.63	2.12	0.830	0.566	0.195	0.542	0.127B	0.050B	27
28	0.008B	0.005B	0.037B	2.65	1.51	1.93	0.780	0.603	0.317	0.603	0.120B	0.051B	28
29	0.008B		0.104B	2.62	1.40	1.78	0.778	0.657	0.282	0.596	0.115B	0.047B	29
30	0.008B		1.09 B	2.71	1.29	1.60	0.746	0.701	0.264	0.503	0.109B	0.046B	30
31	0.007B		8.37 B		1.28		0.715	0.821		0.509		0.042B	31
TOTAL	0.381	0.165	10.635	222.56	70.42	75.896	35.564	15.505	9.963	17.547	7.916	3.075	TOTAL
MEAN	0.012	0.005	0.343	7.42	2.27	2.53	1.15	0.500	0.332	0.566	0.264	0.099	MEAN
MAX	0.018	0.007	8.37	26.5	3.76	4.51	1.47	0.821	0.888	1.22	0.522	0.273	MAX
MIN	0.007	0.004	0.006	1.87	1.08	0.841	0.715	0.335	0.102	0.217	0.109	0.042	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.39
MAXIMUM DAILY, 26.5B ON APR 13
MINIMUM DAILY, 0.004B ON FEB 16
MAXIMUM INSTANTANEOUS,
33.7B AT 23:19 CST ON APR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 06 16 N
LONG 59 19 32 W
DRAINAGE AREA, 1 530 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	32.9	JUL 3 870	
FEB	12.5	AUG 1 340	
MAR	918	SEP 861	
APR 19 200		OCT 1 520	
MAY 6 0[illegible]		NOV 684	
JUN 6 560		DEC 266	

TOTAL DISCHARGE, 48 500 dam³

HARRINGTON RIVER BELOW FIRST RAPIDS - STATION NO. 06EB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.94	2.97	2.78	2.23	6.87	24.0	23.4	16.4	17.1	11.8	8.39	6.89	1
2	3.82	3.03	2.76	2.03	11.2	24.0	22.4	15.7	17.0	11.8	8.19	6.63	2
3	3.65	3.08	2.70	1.99	15.5	23.0	21.9	15.3	16.8	10.9	8.18	6.87	3
4	3.67	3.08	2.75	1.87	19.5	23.3	21.8	15.5	16.5	10.8	7.98	6.96	4
5	3.57	3.19	2.69	1.83	25.4	23.1	21.7	15.9	16.3	10.7	7.71	6.74	5
6	3.67	3.19	2.64	1.79	29.8	23.2	21.5	16.0	16.2	10.7	7.78	6.78	6
7	3.56	3.15	2.56	1.73	31.4	23.8	21.3	16.8	15.9	10.5	7.66	6.89	7
8	3.43	3.09	2.78	1.84	30.6	24.1	20.7	19.2	15.9	10.5	7.76	6.89	8
9	3.36	3.03	2.60	1.88	28.2	24.9	20.3	21.5	15.7	10.2	7.72	6.77	9
10	3.22	2.95	2.58	1.98	25.4	25.2	20.0	23.1	15.1	10.2	7.48	6.79	10
11	3.38	2.97	2.53	2.16	23.2	25.1	19.7	23.4	15.2	10.2	7.51	6.88	11
12	3.26	2.86	2.54	2.09	21.8	25.0	19.6	23.3	15.0	10.2	7.43	6.79	12
13	3.28	2.83	2.59	2.18	20.3	25.0	19.5	23.2	14.6	10.2	7.25	6.79	13
14	3.12	2.76	2.65	2.13	19.2	24.8	19.3	22.7	14.3	10.2	7.17	6.87	14
15	3.08	2.69	2.51	2.18	18.2	24.6	19.1	23.9	14.2	10.0	7.20	6.76	15
16	3.07	2.59	2.47	2.21	17.6	24.3	19.0	23.8	13.9	9.82	7.20	6.61	16
17	3.08	2.57	2.48	2.14	17.1	24.2	18.8	23.1	13.3	9.69	7.12	6.53	17
18	3.02	2.55	2.48	2.18	16.8	23.9	18.7	23.1	13.3	9.52	7.12	6.63	18
19	2.94	2.55	2.47	2.16	16.5	23.7	18.4	22.9	13.2	9.45	6.96	6.61	19
20	2.99	2.52	2.37	2.08	16.4	23.6	18.5	22.9	13.1	9.44	7.09	6.64	20
21	2.98	2.55	2.38	2.04	16.3	23.4	17.6	22.7	12.8	9.22	7.09	6.78	21
22	3.00	2.72	2.42	2.10	16.2	23.2	17.3	22.6	12.7	9.18	7.10	6.63	22
23	2.91	2.67	2.42	2.10	16.1	23.7	17.4	22.0	12.5	8.84	7.18	6.61	23
24	2.86	2.63	2.26	2.20	16.2	25.2	17.5	21.5	12.4	8.96	7.04	6.92	24
25	2.93	2.66	2.29	2.35	16.2	26.2	17.5	20.9	12.3	8.88	7.06	6.78	25
26	2.89	2.64	2.27	2.35	16.7	26.4	17.5	20.1	12.1	8.78	6.87	6.62	26
27	2.98	2.69	2.26	2.35	18.5	26.1	17.3	19.7	11.7	8.68	6.94	6.58	27
28	2.91	2.74	2.32	2.50	20.7	25.5	17.3	18.8	11.4	8.73	6.85	6.55	28
29	2.91		2.30	2.98	22.3	25.0	17.1	18.4	11.2	8.71	6.89	6.69	29
30	2.87		2.33	4.33	23.1	24.1	16.8	18.2	11.2	8.59	6.91	6.68	30
31	2.99		2.27		23.7		16.6	17.5		8.53		6.49	31
TOTAL	98.92	78.81	76.87	65.78	616.87	732.4	595.5	628.3	422.9	302.04	220.33	208.03	TOTAL
MEAN	3.19	2.81	2.48	2.19	19.9	24.4	19.2	20.3	14.1	9.74	7.34	6.71	MEAN
MAX	3.94	3.19	2.78	4.33	31.4	26.4	23.4	23.4	17.1	11.8	8.39	6.96	MAX
MIN	2.86	2.52	2.22	1.73	6.87	23.1	16.6	15.3	11.2	8.53	6.85	6.49	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.1
MAXIMUM DAILY, 31.4 ON MAY 7
MINIMUM DAILY, 1.73 ON APR 7
MAXIMUM INSTANTANEOUS,
31.4 AT 12:00 CST ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 45 50 N
LONG 99 58 25 W
DRAINAGE AREA, 1 770 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 550	JUL	51 500
FEB	6 810	AUG	54 300
MAR	6 640	SEP	36 500
APR	5 680	OCT	26 100
MAY	53 300	NOV	19 000
JUN	63 300	DEC	18 000

TOTAL DISCHARGE, 350 000 dam³

BEAVER CREEK EAST OF BEAVER - STATION NO. 05LL028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.01 B	0.087	0.126	0.026E	0.073	0	0	---	---	1
2	---	---	0 B	0.995B	0.086	0.106	0.022E	0.049	0	0	---	---	2
3	---	---	0 B	0.980B	0.080	0.078	0.018E	0.031	0	0	---	---	3
4	---	---	0 B	0.973B	0.084	0.056	0.012E	0.021	0	0	---	---	4
5	---	---	0 B	0.958B	0.078	0.046	0.016E	0.010	0	0	---	---	5
6	---	---	0 B	0.929B	0.074	0.092	0.023E	0.014	0	0	---	---	6
7	---	---	0 B	0.914B	0.072	0.179	0.027E	0.008	0	0	---	---	7
8	---	---	0 B	0.899B	0.091	0.189	0.020E	0.005	0	0	---	---	8
9	---	---	0 B	0.899B	0.108	0.178	0.018E	0.004	0	0	---	---	9
10	---	---	0 B	0.892B	0.169	0.129	0.012E	0.003	0	0.004	---	---	10
11	---	---	0 B	0.973B	0.269	0.073	0.007E	0.002	0	0.012	---	---	11
12	---	---	0 B	1.31 B	0.246	0.102	0.005E	0.001	0	0.006	---	---	12
13	---	---	0 B	1.30 B	0.427	0.623	0.003E	0.001	0	0.004	---	---	13
14	---	---	0 B	1.20 B	1.09	0.372	0.002E	0.001	0	0.003	---	---	14
15	---	---	0 B	1.03 B	0.990	0.260	0.001A	0.002	0	0.002	---	---	15
16	---	---	0 B	0.855B	0.848	0.156	0.001E	0.002	0	0.001	---	---	16
17	---	---	0 B	0.649B	0.848	0.107	0.026E	0.002	0	0.002	---	---	17
18	---	---	0 B	0.267B	1.32	0.351	0.103E	0.001	0	0.001	---	---	18
19	---	---	0 B	0.079B	1.66	0.672	0.101E	0.002	0	0.001	---	---	19
20	---	---	0 B	0.061B	1.66	0.150A	0.026E	0.001	0	0.017	---	---	20
21	---	---	0 B	0.091B	1.32	0.138E	0.001A	0.001	0	0.030	---	---	21
22	---	---	0 B	0.153B	1.03	0.118E	0.001	0.002	0	0.026	---	---	22
23	---	---	0 B	0.201B	0.813	0.106E	0.116	0.005	0	0.023	---	---	23
24	---	---	0 B	0.108B	0.659	0.091E	0.324	0.004	0	0.020	---	---	24
25	---	---	0 B	0.110	0.560	0.077E	0.173	0.004	0	0.017	---	---	25
26	---	---	0 B	0.117	0.511	0.067E	0.112	0.004	0	0.015	---	---	26
27	---	---	0 B	0.101	0.436	0.057E	0.112	0.004	0	0.014	---	---	27
28	---	---	0.002B	0.095	0.347	0.049E	0.084	0.003	0	0.018	---	---	28
29	---		0.083B	0.094	0.301	0.040E	0.098	0.002	0.001	0.055	---	---	29
30	---		0.397B	0.087	0.226	0.033E	0.083	0.001	0	0.052	---	---	30
31	---		0.988B		0.158		0.063	0.001		0.030		---	31
TOTAL	---	---	1.470	18.325	16.656	4.621	1.640	0.272	0.001	0.353	---	---	TOTAL
MEAN	---	---	0.047	0.611	0.537	0.154	0.053	0.009	0	0.011	---	---	MEAN
MAX	---	---	0.988	1.31	1.66	0.672	0.324	0.073	0.001	0.055	---	---	MAX
MIN	---	---	0	0.061	0.072	0.033	0.001	0.001	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.177
MAXIMUM DAILY, 1.66 ON MAY 19
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.79 AT 22:25 CST ON MAY 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 04 00 N
LONG 98 37 40 W
DRAINAGE AREA, 275 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	142
FEB	---	AUG	33.5
MAR	127	SEP	0.00
APR	1 580	OCT	30.5
MAY	1 440	NOV	---
JUN	399	DEC	---

TOTAL DISCHARGE, 3 740 dam³

BELL RIVER NEAR BELLSITE - STATION NO. 05LF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.261B	0.208B	0.983B	4.54	0.797	2.06	1.41	2.52	---	---	1
2	---	---	0.261B	0.208B	0.911B	3.13	0.885	2.09	1.48	2.10	---	---	2
3	---	---	0.261B	0.208B	0.830B	2.46	1.03	2.70	1.36	1.88	---	---	3
4	---	---	0.261B	0.208B	0.762B	2.01	1.01	2.76	1.20	2.98	---	---	4
5	---	---	0.234B	0.208B	0.699E	1.90	0.909	2.58	1.13	2.78	---	---	5
6	---	---	0.234B	0.208B	0.626A	1.90	1.62	2.16	1.12	2.19	---	---	6
7	---	---	0.234B	0.208B	0.614	1.90	2.59	2.01	1.07	1.69	---	---	7
8	---	---	0.234B	0.208B	0.631	1.88	2.07	2.02	0.997	1.57	---	---	8
9	---	---	0.234B	0.208B	0.621	1.77	1.78	1.95	0.955	1.37	---	---	9
10	---	---	0.234B	0.208B	0.561	1.73	1.54	1.83	0.989	0.984	---	---	10
11	---	---	0.228B	0.208B	0.533	1.68	1.39	1.76	0.916	0.762	---	---	11
12	---	---	0.228B	0.208B	0.488	1.63	1.30	1.58	0.857	0.702	---	---	12
13	---	---	0.228B	0.267B	0.492	1.55	1.23	1.58	0.871	0.626	---	---	13
14	---	---	0.228B	0.320B	0.498	1.54	1.15	1.54	0.852	0.697	---	---	14
15	---	---	0.228B	0.384B	0.505	1.55	1.14	1.64	0.819	0.553	---	---	15
16	---	---	0.228B	0.449B	0.477	1.53	1.11	1.49	0.808	0.585	---	---	16
17	---	---	0.221B	0.508B	0.494	1.53	20.8	1.43	0.836	0.529	---	---	17
18	---	---	0.221B	0.575B	0.286	1.51	21.1	1.00	0.906	0.896	---	---	18
19	---	---	0.221B	0.643E	0.136	1.55	9.83	1.33	0.758	0.462	---	---	19
20	---	---	0.221B	0.719B	0.176	1.65	7.96	1.23	0.758	0.419	---	---	20
21	---	---	0.221B	0.762B	0.233	1.62	6.45	1.16	0.726	0.392	---	---	21
22	---	---	0.221B	0.804B	0.278	1.54	4.92	1.16	0.699	0.381	---	---	22
23	---	---	0.215B	0.848B	0.336	1.51	4.12	1.10	0.670	0.387	---	---	23
24	---	---	0.215B	0.893B	0.408	1.46	3.31	1.11	0.637	0.393	---	---	24
25	---	---	0.215B	0.947B	0.464	1.37	2.80	1.15	0.653	0.380	---	---	25
26	---	---	0.215B	0.992E	0.547	1.25	2.50	1.02	0.542	0.369	---	---	26
27	---	---	0.215B	1.04 E	0.711A	1.20	2.27	1.04	0.489	0.306	---	---	27
28	---	---	0.215B	1.08 E	2.09	1.17	2.32	0.989	1.03	0.241	---	---	28
29	---		0.208B	1.14 A	5.67	0.876	2.25	0.997	4.01	0.202	---	---	29
30	---		0.208B	1.06 E	7.98	0.818	2.05	0.980	3.24	0.257	---	---	30
31	---		0.208B		5.53		1.98	1.53		0.267		---	31
TOTAL	---	---	6.976	15.927	35.453	51.734	116.111	49.696	32.608	29.270	---	---	TOTAL
MEAN	---	---	0.225	0.531	1.14	1.72	3.75	1.60	1.09	0.944	---	---	MEAN
MAX	---	---	0.261	1.14	7.98	4.54	21.1	2.76	4.01	2.96	---	---	MAX
MIN	---	---	0.208	0.208	0.136	0.818	0.797	0.980	0.489	0.202	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.38
MAXIMUM DAILY, 21.1 ON JUL 18
MINIMUM DAILY, 0.136 ON MAY 19
MAXIMUM INSTANTANEOUS,
44.5 AT 13:15 CST ON JUL 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 36 10 N
LONG 101 02 15 W
DRAINAGE AREA, 170 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1955

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	10 080
FEB	---	AUG	4 290
MAR	603	SEP	2 820
APR	1 380	OCT	2 530
MAY	3 060	NOV	---
JUN	4 470	DEC	---

TOTAL DISCHARGE, 29 200 dam³

BERENS RIVER AT OUTLET OF LONG LAKE - STATION NO. 05RD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	31.4B	26.5B	20.4B	17.5B	49.3B	71.9	147	91.4	49.5	34.2	28.9	20.2	1
2	31.3B	26.0B	20.2B	17.5B	50.1B	74.7	146	89.6	49.2	34.1	28.6	20.3	2
3	31.5B	25.8B	20.1B	17.6B	50.0B	78.3	144	88.2	48.7	34.0	28.1	20.7	3
4	31.5B	25.4B	19.9B	17.5B	50.0B	82.9	143	87.9	47.9	34.6	27.7	20.7	4
5	31.4B	25.0B	19.7B	17.5B	54.6	88.1	142	86.3	47.2	34.9	27.4	20.8	5
6	31.4B	24.6B	19.6B	17.3B	55.5	93.9	140	84.7	46.2	34.6	26.9	20.8	6
7	31.2B	24.5B	19.4B	17.1B	56.9	104	139	82.3	45.6	34.3	26.3	20.8	7
8	31.0B	24.4B	19.3B	17.0B	58.7	113	137	80.9	45.1	34.1	26.0	20.8	8
9	31.1B	24.2B	19.2B	17.0B	59.8	120	134	79.1	44.6	33.7	25.6	20.7	9
10	31.0B	23.9B	19.1B	17.0B	59.5	125	131	76.8	44.1	33.5	25.1	20.5	10
11	30.6B	23.5B	19.0B	16.9B	59.1	129	129	74.6	43.1	33.6	24.6	20.4	11
12	30.3B	23.2B	18.9B	16.8B	59.0	132	127	72.5	42.8	33.4	23.9	20.2	12
13	29.9B	23.0B	18.9B	16.8B	58.6	136	126	71.2	42.1	33.1	23.9	20.2	13
14	29.8B	22.8B	18.8B	16.8B	58.1	138	123	69.8	41.5	32.8	23.6	20.1	14
15	29.8B	22.6B	18.8B	17.4B	58.1	140	121	68.6	40.9	32.3	23.0	20.0	15
16	29.8B	22.5B	18.9B	17.9B	57.6	142	122	67.2	40.1	32.0	22.6	19.9	16
17	29.6B	22.4B	18.9B	18.3B	57.2	143	130	65.8	39.5	31.9	22.3	19.9	17
18	29.2B	22.3B	18.7B	18.8B	57.5	145	127	64.6	38.9	32.0	22.0	19.9	18
19	29.2B	22.1B	18.6B	19.2B	58.7	146	123	63.3	38.6	32.0	21.8	19.9	19
20	29.0B	22.0B	18.4B	19.7B	59.2	148	120	61.8	37.9	31.9	21.7	19.9	20
21	28.6B	21.9B	18.3B	20.4B	59.3	149	117	60.2	37.5	31.6	21.9	19.9	21
22	28.6B	21.6B	18.2B	21.9B	59.5	150	115	58.9	36.9	31.0	21.9	19.8	22
23	28.3B	21.4B	18.1B	25.6B	59.7	150	112	57.5	36.8	30.8	21.9	19.8	23
24	28.0B	21.1B	18.1B	31.4B	59.9	151	109	56.7	35.6	30.5	21.8	19.8	24
25	27.7B	21.0B	18.1B	36.5B	60.5	151	107	55.5	35.2	30.3	21.3	19.6	25
26	27.6B	20.8B	17.9B	39.7B	61.3	151	104	54.7	34.6	30.0	21.1	19.6	26
27	27.6B	20.6B	17.8B	42.8B	62.5	151	101	53.7	34.3	29.6	20.9	19.6	27
28	27.6B	20.5B	17.7B	44.9B	63.6	151	98.5	52.7	34.4	29.3	20.7	19.6	28
29	27.3B		17.5B	46.4B	64.8	149	97.9	51.6	34.6	29.3	20.5	19.6	29
30	26.9B		17.5B	48.1B	66.6	148	95.6	50.7	34.5	29.3	20.4	19.4	30
31	26.8B		17.5B		69.1		93.6	50.2		29.2		19.4	31
TOTAL	915.0	645.6	581.3	709.3	1 812.9	3 851.8	3 801.6	2 138.8	1 227.1	997.7	712.2	622.8	TOTAL
MEAN	29.5	23.1	18.8	23.6	58.5	128	123	68.7	40.8	32.2	23.7	20.1	MEAN
MAX	31.5	26.5	20.4	48.1	69.1	151	147	91.4	49.5	34.9	28.9	20.8	MAX
MIN	26.8	20.5	17.5	16.8	48.8	71.9	93.6	50.2	34.3	29.2	20.4	19.4	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 49.3
MAXIMUM DAILY, 151 ON JUN 24
MINIMUM DAILY, 16.8B ON APR 12
MAXIMUM INSTANTANEOUS,
153 AT 10:21 CST ON JUN 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 12 10 N
LONG 96 06 10 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	79 100	JUL	328 000
FEB	55 000	AUG	184 000
MAR	50 200	SEP	106 000
APR	61 300	OCT	86 200
MAY	157 000	NOV	61 500
JUN	333 000	DEC	53 800

TOTAL DISCHARGE, 1 560 000 dam³

BIG CREEK RIVER NEAR GLENDELLA - STATION NO. 05LL015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.10B	2.52	0.681	0.033	0.592	0.025	0	---	---	1
2	---	---	0 B	1.33B	2.17	0.588	0.012	0.537	0.026	0 A	---	---	2
3	---	---	0 B	1.34B	2.02	0.530	0.013	0.463	0.025	0 B	---	---	3
4	---	---	0 B	1.35B	1.93	0.472	0.003	0.392	0.027	0.001A	---	---	4
5	---	---	0 B	1.35B	1.79	0.449	0	0.332	0.022	0	---	---	5
6	---	---	0 B	1.37B	1.63	0.474	0	0.314	2.014	0	---	---	6
7	---	---	0 B	1.39B	1.56	0.527	0	0.282	0.010	0	---	---	7
8	---	---	0 B	1.40B	1.45	0.827	0	0.249	0.006	0.003	---	---	8
9	---	---	0 B	1.40B	1.52	1.07	0	0.226	0.001	0.008	---	---	9
10	---	---	0 B	1.39B	1.56	0.936	0	0.194	0	0.019	---	---	10
11	---	---	0 B	3.17B	1.45	0.790	0	0.164	0	0.031	---	---	11
12	---	---	0 B	5.59B	1.34	0.656	0.008	0.119	0	0.033	---	---	12
13	---	---	0 B	7.95B	1.33	0.571	0.010	0.122	0	0.052	---	---	13
14	---	---	0 B	10.5 B	1.32	0.499	0.012	0.109	0	0.491	---	---	14
15	---	---	0 B	21.5 B	1.27	0.435	0.014	0.214	0	0.503	---	---	15
16	---	---	0 B	25.5	1.40	0.373	0.641	0.214	0	0.447	---	---	16
17	---	---	0 B	22.8	2.36	0.306	3.03	0.202	0	0.397	---	---	17
18	---	---	0 B	18.3	3.69	0.259	3.64	0.179	0	0.353	---	---	18
19	---	---	0 B	16.0	3.13	0.260	2.67	0.117	0	0.319	---	---	19
20	---	---	0 B	12.9	2.48	0.228	2.13	0.047	0	0.305	---	---	20
21	---	---	0 B	11.8	2.03	0.213	1.68	0.033	0	0.298	---	---	21
22	---	---	0 B	10.3	1.88	0.189	1.49	0.057	0	0.279	---	---	22
23	---	---	0 B	10.6	1.48	0.185	1.35	0.093	0	0.260	---	---	23
24	---	---	0 B	10.7	1.31	0.195	1.20	0.090	0	0.240	---	---	24
25	---	---	0 B	8.68	1.18	0.205	1.01	0.094	0	0.239	---	---	25
26	---	---	0 B	6.54	1.05	0.174	0.860	0.075	0	0.222	---	---	26
27	---	---	0 B	5.13	0.945	0.139	0.742	0.078	0	0.197	---	---	27
28	---	---	0.028B	4.22	0.817	0.103	0.662	0.083	0	0.206	---	---	28
29	---		0.160B	3.50	0.781	0.073	0.711	0.054	0	0.244	---	---	29
30	---		0.366B	2.99	0.688	0.035	0.707	0.040	0	0.267	---	---	30
31	---		0.642B		0.625		0.656	0.032		0.324		---	31
TOTAL	---	---	1.196	232.09	50.666	12.362	23.273	5.797	0.156	5.728	---	---	TOTAL
MEAN	---	---	0.039	7.74	1.63	0.412	0.751	0.187	0.005	0.185	---	---	MEAN
MAX	---	---	0.642	25.5	3.69	1.07	3.64	0.592	0.027	0.503	---	---	MAX
MIN	---	---	0	1.10	0.625	0.035	0	0.032	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.35
MAXIMUM DAILY, 25.5 ON APR 16
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS, 26.0 AT 00:03 CST ON APR 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 30 22 N
LONG 98 58 15 W
DRAINAGE AREA, 1 050 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 010
FEB	---	AUG	501
MAR	103	SEP	13.5
APR	20 100	OCT	495
MAY	4 380	NOV	---
JUN	1 070	DEC	---

TOTAL DISCHARGE, 28 700 dam³

BIRCH RIVER ABOVE BRACKEN DAM NEAR THE PAS - STATION NO. 05KH003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	259.864A	---	259.926	---	---	259.603	259.762	259.739	---	---	1
2	---	---	---	---	259.887	---	---	259.595	259.779	259.751	---	---	2
3	---	---	---	---	259.822	---	---	259.621	259.777	259.747	---	---	3
4	---	---	---	---	259.776	---	---	259.642	259.780	259.751	---	---	4
5	---	---	---	---	259.749	---	---	259.648	259.771	259.758	---	---	5
6	---	---	---	259.875A	259.714	---	---	259.631	259.763	259.760	---	---	6
7	---	---	---	---	259.689	---	---	259.661	259.769	259.766	---	---	7
8	---	---	---	---	259.670	---	---	259.658	259.773	259.772	---	---	8
9	---	---	---	---	259.651	---	---	259.655	259.768	259.779	---	---	9
10	---	---	---	---	259.633	---	---	259.648	259.760	259.780	---	---	10
11	---	---	---	---	259.611	259.515A	---	259.657	259.776	259.778	---	---	11
12	---	---	---	---	259.595	---	---	259.663	259.759	259.785	---	---	12
13	---	---	---	---	259.590	---	---	259.679	259.749	259.791	---	---	13
14	---	---	---	---	259.598	---	---	259.687	259.744	259.790	---	---	14
15	---	---	---	---	259.606	---	259.628A	259.700	259.749	259.783	---	---	15
16	---	---	---	---	259.605	---	259.628	259.695	259.746	259.759	---	---	16
17	---	---	---	---	259.627	---	259.615	259.689	259.741	259.763	---	---	17
18	---	---	---	259.921	259.622	---	259.588	259.698	259.751	259.776	---	---	18
19	---	---	---	259.932	259.611	---	259.586	259.695	259.740	259.784	---	---	19
20	---	---	---	259.949	259.603	---	259.595	259.702	259.734	259.781	---	---	20
21	---	---	---	259.950	259.595	---	259.574	259.702	259.732	259.777	---	---	21
22	---	---	---	259.963	---	---	259.561	259.710	259.732	259.772	---	---	22
23	---	---	---	259.972	---	---	259.554	259.710	259.725	259.779	---	---	23
24	---	---	---	259.969	---	---	259.580	259.686	259.718	259.780	---	---	24
25	---	---	---	259.968	---	---	259.602	259.705	259.719	259.778	---	---	25
26	---	---	---	259.956	---	---	259.600	259.703	259.728	259.775	---	---	26
27	---	---	---	259.972	---	---	259.601	259.702	259.703	259.770A	---	---	27
28	---	---	---	259.976	---	---	259.608	259.698	259.698	259.770E	---	---	28
29	---		---	259.975	---	---	259.614	259.724	259.735	259.770E	---	---	29
30	---		---	259.973	---	---	259.613	259.722	259.744	259.770E	---	---	30
31	---		---		---		259.611	259.736		259.770E		---	31
MEAN	---	---	---	---	---	---	---	259.678	259.748	259.771	---	---	MEAN
MAX	---	---	---	---	---	---	---	259.736	259.780	259.791	---	---	MAX
MIN	---	---	---	---	---	---	---	259.595	259.698	259.739	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 259.976 ON APR 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 49 30 N
LONG 101 19 30 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA, 2 430 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	258.417A	258.492	259.676	257.975	257.526	258.313	257.264	257.273	---	---	1
2	---	---	258.373	258.489	259.477	257.956	257.567	258.321	257.286	257.122	---	---	2
3	---	---	258.359	258.488	259.388	257.980	257.571	258.284	257.322	257.103	---	---	3
4	---	---	258.384	258.483	259.312	258.030	257.518	258.186	257.368	257.232	---	---	4
5	---	---	258.418	258.486	259.248	258.084	257.350	258.097	257.424	257.299	---	---	5
6	---	---	258.431	258.372	259.151	258.138	257.310	258.090	257.408	257.223	---	---	6
7	---	---	258.429	258.368	259.135	258.136	257.390	258.110	257.291	257.202	---	---	7
8	---	---	258.401	258.332	259.126	258.132	257.455	258.117	257.189	257.231	---	---	8
9	---	---	258.380	258.287	259.054	258.123	257.608	258.077	257.178	257.263	---	---	9
10	---	---	258.386	258.280	258.982	258.119	257.739	257.930	257.258	257.260	---	---	10
11	---	---	258.366	258.113	258.864	258.124	257.883	257.824	257.281	257.258	---	---	11
12	---	---	258.322	258.014	258.741	258.102	257.925	257.810	257.249	257.200	---	---	12
13	---	---	258.289	257.969	258.619	258.099	258.023	257.853	257.195	257.189	---	---	13
14	---	---	258.248	257.943	258.537	258.107	258.113	257.909	257.174	257.108	---	---	14
15	---	---	258.232	257.931	258.547	257.986	258.212	257.931	257.108	257.112	---	---	15
16	---	---	258.181	257.939	258.535	257.814	258.293	257.882	257.018	257.157	---	---	16
17	---	---	258.133	257.974	258.509	257.821	258.341	257.771	257.057	257.288	---	---	17
18	---	---	258.127	258.064	258.417	257.829	258.412	257.676	257.128	257.444	---	---	18
19	---	---	258.153	258.204	258.338	257.788	258.417	257.629	257.166	257.498	---	---	19
20	---	---	258.217	258.372	258.295	257.728	258.405	257.604	257.187	257.431	---	---	20
21	---	---	258.270	258.509	258.281	257.696	258.411	257.574	257.116	257.360	---	---	21
22	---	---	258.263	258.658	258.234	257.681	258.414	257.535	257.022	257.426	---	---	22
23	---	---	258.217	258.866	258.162	257.747	258.392	257.471	257.028	257.543	---	---	23
24	---	---	258.172	259.076	258.098	257.803	258.359	257.356	257.093	257.576	---	---	24
25	---	---	258.223	259.307	258.014	257.735	258.350	257.329	257.120	257.496	---	---	25
26	---	---	258.296	259.537	257.961	257.652	258.384	257.292	257.123	257.382	---	---	26
27	---	---	258.351	259.698	257.936	257.624	258.402	257.246	257.195	257.315A	---	---	27
28	---	---	258.400	259.919	257.954	257.608	258.396	257.256	257.223	257.227E	---	---	28
29	---		258.450	260.010	257.982	257.568	258.386	257.237	257.346	257.264E	---	---	29
30	---		258.495	259.888	258.036	257.533	258.342	257.177	257.384	257.302E	---	---	30
31	---		258.498		258.007		258.295	257.214		257.339E		---	31
MEAN	---	---	258.319	258.595	258.600	257.891	258.037	257.745	257.207	257.293	---	---	MEAN
MAX	---	---	258.498	260.010	259.676	258.138	258.417	258.321	257.424	257.576	---	---	MAX
MIN	---	---	258.127	257.931	257.936	257.533	257.310	257.177	257.018	257.103	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 260.010 ON APR 29
MINIMUM DAILY, 257.018 ON SEP 16
MAXIMUM INSTANTANEOUS,
260.089 AT 15:58 CST ON APR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 49 30 N
LONG 101 19 30 W

A - MANUAL GAUGE

E - ESTIMATED

DRAINAGE AREA,
2 430 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - WATER LEVELS ARE AFFECTED BY HIGH STAGES ON THE SASKATCHEWAN RIVER

BIRCH RIVER NEAR BIRCH RIVER - STATION NO. 05LE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.136B	0.059B	1.94 B	3.91	0	0.878	0.255	0.806	---	---	1
2	---	---	0.136B	0.059B	1.74 B	3.38	0.162	1.31	0.201	0.842	---	---	2
3	---	---	0.132B	0.059B	1.54 B	2.85	0.432	1.59	0.160	0.835	---	---	3
4	---	---	0.129B	0.059B	1.35 B	2.38	0.392	1.60	0.153	1.16	---	---	4
5	---	---	0.129B	0.059B	1.17 B	2.03	0.308	1.36	0.139	1.25	---	---	5
6	---	---	0.125B	0.057B	0.993B	1.77	0.311	1.05	0.128	1.12	---	---	6
7	---	---	0.121B	0.057B	1.12	1.47	0.888	0.846	0.108	1.02	---	---	7
8	---	---	0.117B	0.057B	1.17	1.28	0.918	0.680	0.095	0.905	---	---	8
9	---	---	0.117B	0.057B	1.16	1.18	0.774	0.557	0.100	0.796	---	---	9
10	---	---	0.114B	0.057B	1.01	1.07	0.631	0.308	0.100	0.702	---	---	10
11	---	---	0.110B	0.057B	0.772	0.957	0.531	0.184	0.164	0.639	---	---	11
12	---	---	0.110B	0.147B	0.645	0.870	0.411	0.105	0.131	0.586	---	---	12
13	---	---	0.106B	0.247B	0.594	0.815	0.418	0.085	0.109	0.563	---	---	13
14	---	---	0.102B	0.363B	0.720	0.777	0.318	0.060	0.166	0.563	---	---	14
15	---	---	0.102B	0.489B	0.784	0.694	0.276	0.147	0.190	0.590	---	---	15
16	---	---	0.098B	0.615B	0.774	0.649	0.278	0.213	0.220	0.675	---	---	16
17	---	---	0.095B	0.760B	0.899	0.615	7.97	0.226	0.251	0.680	---	---	17
18	---	---	0.091B	0.917B	1.08	0.554	11.5	0.206	0.283	0.674	---	---	18
19	---	---	0.091B	1.08 B	1.13	0.682	10.3	0.324	0.334	0.744	---	---	19
20	---	---	0.087B	1.26 B	1.07	0.750	8.08	0.339	0.338	0.784	---	---	20
21	---	---	0.083B	1.33 B	1.08	0.665	5.32	0.306	0.323	0.821	---	---	21
22	---	---	0.083B	1.41 B	1.03	0.592	3.75	0.248	0.388	0.861	---	---	22
23	---	---	0.080B	1.47 B	0.943	0.591	2.78	0.266	0.443	0.822	---	---	23
24	---	---	0.076B	1.55 B	0.866	0.546	2.07	0.226	0.492	0.811	---	---	24
25	---	---	0.072B	1.64 B	0.814	0.446	1.62	0.244	0.537	0.835	---	---	25
26	---	---	0.072B	1.72 B	0.725	0.362	1.35	0.217	0.705	0.824	---	---	26
27	---	---	0.068B	1.80 B	0.557	0.223	1.39	0.222	0.585	0.788	---	---	27
28	---	---	0.065B	1.88 B	0.506	0.139	1.34	0.212	0.533	0.600	---	---	28
29	---		0.065B	1.96 B	1.52	0.059	1.35	0.228	0.902	0.591	---	---	29
30	---		0.061B	2.00 B	3.57	0.014	1.14	0.177	0.800	0.610	---	---	30
31	---		0.059B		4.24		0.945	0.283		0.601		---	31
TOTAL	---	---	3.032	23.275	37.512	32.280	67.953	14.737	9.323	24.098	---	---	TOTAL
MEAN	---	---	0.098	0.776	1.21	1.08	2.19	0.475	0.311	0.777	---	---	MEAN
MAX	---	---	0.136	2.00	4.24	3.91	11.5	1.60	0.902	1.25	---	---	MAX
MIN	---	---	0.059	0.057	0.506	0.014	0	0.060	0.095	0.563	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.866
MAXIMUM DAILY, 11.5 ON JUL 18
MINIMUM DAILY, 0 ON JUL 1
MAXIMUM INSTANTANEOUS,
15.9 AT 21:40 CST ON JUL 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 22 25 N
LONG 101 05 00 W

DRAINAGE AREA, 136 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 870
FEB	---	AUG	1 270
MAR	262	SEP	806
APR	2 010	OCT	2 080
MAY	3 240	NOV	---
JUN	2 790	DEC	---

TOTAL DISCHARGE, 18 300 dam³

REMARKS - RECORDS POOR-AFFECTED BY BEAVER DAMS

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.45B	1.62B	9.34	10.9	---	---	---	---	---	---	1
2	---	---	2.39B	1.70B	9.37	10.8	---	---	---	---	---	---	2
3	---	---	2.35B	1.81B	9.33	10.6	---	---	---	---	---	---	3
4	---	---	2.30B	1.85B	9.35	10.5	---	---	---	---	---	---	4
5	---	---	2.25B	1.87B	9.35	10.5	---	---	---	---	---	---	5
6	---	---	2.20B	1.90B	9.27	10.6	---	---	---	---	---	---	6
7	---	---	2.15B	1.93B	9.31	11.1	---	---	---	---	---	---	7
8	---	---	2.10B	1.95B	9.45	11.4	---	---	---	---	---	---	8
9	---	---	2.05B	1.98B	9.50	11.8	---	---	---	---	---	---	9
10	---	---	2.00B	2.02B	9.62	12.1	---	---	---	---	---	---	10
11	---	---	1.95B	2.08B	9.71	12.5	---	---	---	---	---	---	11
12	---	---	1.90B	2.24B	9.88	12.6	---	---	---	---	---	---	12
13	---	---	1.85B	2.42B	9.91	12.7	---	---	---	---	---	---	13
14	---	---	1.80B	2.49B	9.98	12.8	---	---	---	---	---	---	14
15	---	---	1.75B	2.64B	10.2	12.7	---	---	---	---	---	---	15
16	---	---	1.70B	3.32B	10.3	12.6	---	---	---	---	---	---	16
17	---	---	1.66B	4.22B	10.8	12.5	---	---	---	---	---	---	17
18	---	---	1.51B	5.11B	11.3	12.3	---	---	---	---	---	---	18
19	---	---	1.47B	5.86B	11.7	12.1	---	---	---	---	---	---	19
20	---	---	1.40B	6.40B	12.0	11.9	---	---	---	---	---	---	20
21	---	---	1.34B	7.04B	12.1	11.8	---	---	---	---	---	---	21
22	---	---	1.35B	7.65	12.2	11.5	---	---	---	---	---	---	22
23	---	---	1.37B	8.02	12.2	11.3	---	---	---	---	---	---	23
24	---	---	1.39B	8.33	12.2	11.0	---	---	---	---	---	---	24
25	---	---	1.41B	8.64	12.0	10.7	---	---	---	---	---	---	25
26	---	---	1.41B	8.84	11.9	10.4	---	---	---	---	---	---	26
27	---	---	1.42B	8.99	11.8	10.1	---	---	---	---	---	---	27
28	---	---	1.41B	9.12	11.6	9.88	---	---	---	---	---	---	28
29	---		1.43B	9.16	11.3	9.56	---	---	---	---	---	---	29
30	---		1.46B	9.24	11.2	9.23	---	---	---	---	---	---	30
31	---		1.57B		11.1		---	---		---		---	31
TOTAL	---	---	54.79	140.44	329.27	340.47	---	---	---	---	---	---	TOTAL
MEAN	---	---	1.77	4.68	10.6	11.3	---	---	---	---	---	---	MEAN
MAX	---	---	2.45	9.24	12.2	12.8	---	---	---	---	---	---	MAX
MIN	---	---	1.34	1.62	9.27	9.23	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.09
MAXIMUM DAILY, 12.8 ON JUN 14
MINIMUM DAILY, 1.34B ON MAR 21
MAXIMUM INSTANTANEOUS,
12.8 AT 13:45 CST ON JUN 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 27 46 N
LONG 95 24 50 W
DRAINAGE AREA, 1 070 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	4 730	SEP	---
APR	12 100	OCT	---
MAY	28 400	NOV	---
JUN	29 400	DEC	---

TOTAL DISCHARGE, 74 600 dam³

BIRDTAIL CREEK NEAR BIRTLE - STATION NO. 05MH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.167B	3.47	0.496	0.030	0.044	0	0.008	---	---	1
2	---	---	0 B	0.194B	3.39	0.477	0.026	0.041	0	0.011	---	---	2
3	---	---	0 B	0.221B	3.19	0.489	0.023	0.043	0	0.015	---	---	3
4	---	---	0 B	0.307B	2.92	0.560	0.021	0.044	0	0.038	---	---	4
5	---	---	0 B	0.393B	2.74	0.592	0.012	0.043	0	0.103	---	---	5
6	---	---	0 B	0.479B	2.47	0.558	0.007	0.044	0	0.190	---	---	6
7	---	---	0 B	0.566B	2.21	0.508	0.003	0.042	0	0.275	---	---	7
8	---	---	0 B	0.652B	2.01	0.474	0.001	0.017	0	0.358	---	---	8
9	---	---	0 B	0.738B	1.77	0.427	0.001	0	0	0.435	---	---	9
10	---	---	0 B	1.06 B	1.68	0.360	0.001	0	0	0.494	---	---	10
11	---	---	0 B	1.38 B	1.66	0.316	0.001	0	0	0.555	---	---	11
12	---	---	0 B	1.70 B	1.58	0.359	0.001	0	0	0.574	---	---	12
13	---	---	0 B	2.45 B	1.56	0.358	0.001	0	0	1.28	---	---	13
14	---	---	0 B	3.20 B	1.45	0.289	0.001	0	0	1.50	---	---	14
15	---	---	0 B	4.91 B	1.29	0.234	0	0	0	1.52	---	---	15
16	---	---	0 B	5.38 B	1.12	0.201	0	0.019	0	1.39	---	---	16
17	---	---	0 B	5.26 B	1.12	0.175	0	0.047	0	1.20	---	---	17
18	---	---	0 B	7.60 B	1.27	0.158	0	0.061	0	1.06	---	---	18
19	---	---	0 B	7.75 B	1.21	0.151	0	0.065	0	1.02	---	---	19
20	---	---	0 B	8.46 B	1.16	0.137	0	0.061	0	1.00	---	---	20
21	---	---	0 B	8.67 B	1.13	0.116	0	0.056	0	0.992	---	---	21
22	---	---	0 B	7.52 B	1.15	0.107	0	0.035	0	0.928	---	---	22
23	---	---	0 B	6.39	1.07	0.095	0.007	0.007	0	0.854	---	---	23
24	---	---	0 B	6.09	1.08	0.083	0.035	0	0	0.808	---	---	24
25	---	---	0 B	5.85	1.02 A	0.072	0.050	0	0	0.784	---	---	25
26	---	---	0 B	5.48	0.996E	0.069	0.056	0	0	0.726	---	---	26
27	---	---	0.023B	5.20	0.971A	0.062	0.060	0	0.001	0.682	---	---	27
28	---	---	0.052B	5.03	0.806	0.057	0.062	0	0.003	0.647	---	---	28
29	---		0.085B	4.46	0.682	0.054	0.068	0	0.006	0.666	---	---	29
30	---		0.112B	3.81	0.640	0.039	0.061	0	0.006	0.690	---	---	30
31	---		0.139B		0.578		0.060	0		1.02		---	31
TOTAL	---	---	0.411	111.367	49.393	8.073	0.588	0.669	0.016	21.823	---	---	TOTAL
MEAN	---	---	0.013	3.71	1.59	0.269	0.019	0.022	0.001	0.704	---	---	MEAN
MAX	---	---	0.139	8.67	3.47	0.592	0.068	0.065	0.006	1.52	---	---	MAX
MIN	---	---	0	0.167	0.578	0.039	0	0	0	0.008	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.785
MAXIMUM DAILY, 8.67B ON APR 21
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
8.95B AT 17:57 CST ON APR 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 31 50 N
LONG 100 57 00 W
DRAINAGE AREA, 1 120 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	59.8
FEB	---	AUG	57.8
MAR	35.5	SEP	1.38
APR	9 620	OCT	1 890
MAY	4 270	NOV	---
JUN	698	DEC	---

TOTAL DISCHARGE, 16 600 dam³

BIRNIE CREEK NEAR BIRNIE - STATION NO. 05LL017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.015B	0.194	0.119	0.005	0.148	0	0.162	---	---	1
2	---	---	0 B	0.013B	0.156	0.110	0.001	0.136	0	0.130	---	---	2
3	---	---	0 B	0.011B	0.122	0.110	0.002	0.132	0	0.114	---	---	3
4	---	---	0 B	0.009B	0.069	0.104	0	0.115	0	0.112	---	---	4
5	---	---	0 B	0.008B	0.020	0.090	0	0.094	0	0.101	---	---	5
6	---	---	0 B	0.006B	0.004	0.108	0	0.075	0	0.099	---	---	6
7	---	---	0 B	0.006B	0	0.200	0	0.057	0	0.093	---	---	7
8	---	---	0 B	0.006B	0	0.217	0	0.048	0	0.086	---	---	8
9	---	---	0 B	0.008B	0	0.191	0	0.040	0	0.094	---	---	9
10	---	---	0 B	0.008B	0.001	0.165	0.001	0.031	0	0.175	---	---	10
11	---	---	0 B	0.051B	0.018	0.148	0.017	0.020	0	0.260	---	---	11
12	---	---	0 B	0.169B	0.030	0.138	0.070	0.012	0	0.277	---	---	12
13	---	---	0 B	0.263B	0.041	0.119	0.039	0.009	0	0.194	---	---	13
14	---	---	0 B	1.81 B	0.031	0.103	0.046	0.005	0	0.148	---	---	14
15	---	---	0 B	3.95 B	0.066	0.092	0.014	0.004	0	0.115	---	---	15
16	---	---	0 B	3.13 B	0.194	0.077	1.78	0.001	0	0.099	---	---	16
17	---	---	0 B	2.78 B	0.426	0.065	1.58	0	0	0.096	---	---	17
18	---	---	0 B	2.85 B	0.693	0.049	0.876	0	0	0.084	---	---	18
19	---	---	0 B	2.56 B	0.631	0.050	0.659	0	0	0.080	---	---	19
20	---	---	0 B	2.55 B	0.474	0.067	0.457	0	0	0.075	---	---	20
21	---	---	0 B	1.82 B	0.352	0.065	0.356	0	0	0.067	---	---	21
22	---	---	0 B	1.58	0.270	0.078	0.326	0	0	0.061	---	---	22
23	---	---	0 B	1.81	0.215	0.080	0.298	0	0	0.054	---	---	23
24	---	---	0 B	1.49	0.203	0.082	0.261	0	0	0.053	---	---	24
25	---	---	0 B	1.08	0.175	0.067	0.203	0	0	0.052	---	---	25
26	---	---	0 B	0.713	0.152	0.033	0.177	0	0	0.050	---	---	26
27	---	---	0 B	0.571	0.134	0.036	0.239	0	0	0.049	---	---	27
28	---	---	0.002B	0.425	0.122	0.045	0.228	0	0.012	0.085	---	---	28
29	---		0.015B	0.303	0.114	0.021	0.216	0	0.243	0.193	---	---	29
30	---		0.015B	0.220	0.106	0.007	0.190	0	0.257	0.231	---	---	30
31	---		0.013B		0.148		0.159	0		0.152		---	31
TOTAL	---	---	0.045	30.215	5.161	2.836	8.200	0.927	0.512	3.641	---	---	TOTAL
MEAN	---	---	0.001	1.01	0.166	0.095	0.265	0.030	0.017	0.117	---	---	MEAN
MAX	---	---	0.015	3.95	0.693	0.217	1.78	0.148	0.257	0.277	---	---	MAX
MIN	---	---	0	0.006	0	0.007	0	0	0	0.049	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.210
MAXIMUM DAILY, 3.95B ON APR 15
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 26 50 N
LONG 99 27 00 W
DRAINAGE AREA, 62.9 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	708
FEB	---	AUG	80.1
MAR	3.89	SEP	44.2
APR	2 610	OCT	315
MAY	446	NOV	---
JUN	245	DEC	---

TOTAL DISCHARGE, 4 450 dam³

BLACK RIVER NEAR MANIGOTAGAN - STATION NO. 05RA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.434B	0.301B	0.240B	0.502B	8.77	6.46	2.34	5.81	0.712A	0.652	1.69	0.482	1
2	0.457B	0.297B	0.228B	0.496B	8.78	6.35	2.68	5.22	0.696E	0.689	1.63	0.707	2
3	0.475B	0.281B	0.224B	0.498B	8.70	6.20	4.13	4.77	0.680E	0.750	1.59	1.25	3
4	0.467B	0.265B	0.223B	0.467B	8.76	5.99	4.39	4.32	0.659E	0.763	1.44	1.16	4
5	0.482B	0.256B	0.217B	0.418B	9.02	5.83	4.90	3.85	0.633E	0.776	1.37	1.07	5
6	0.464B	0.273B	0.196B	0.398B	9.39	5.55	4.98	3.45	0.606E	0.788	1.33	0.947	6
7	0.428B	0.305B	0.172B	0.390B	9.45	6.32	4.64	3.13	0.574E	0.806	1.28	0.837	7
8	0.403B	0.299B	0.190B	0.399B	9.52	7.11	4.19	2.87	0.574E	0.799	1.25	0.743	8
9	0.381B	0.288B	0.210B	0.412B	9.67	7.32	3.71	2.63	0.580E	0.806	1.17	0.682	9
10	0.359B	0.297B	0.224B	0.413B	9.64	7.45	3.38	2.58	0.537E	0.895	1.17	0.646	10
11	0.345B	0.289B	0.237B	0.420B	10.5	7.46	3.13	2.37	0.505E	1.22	1.12	0.591	11
12	0.349B	0.277B	0.311B	0.515B	11.5	7.26	2.86	2.22	0.481E	1.34	1.05	0.540	12
13	0.364B	0.259B	0.330B	0.838B	12.3	6.83	2.64	2.09	0.453E	1.42	0.979	0.547	13
14	0.379B	0.301B	0.330B	1.71 B	10.8	6.50	2.46	2.12	0.428E	1.47	0.941	0.532	14
15	0.353B	0.327B	0.366B	8.99 B	10.4	6.12	2.28	2.48	0.403E	1.52	0.906	0.521	15
16	0.350B	0.357B	0.330B	32.6 B	10.1	5.67	2.10	2.38	0.375E	1.57	0.855	0.529	16
17	0.328B	0.339B	0.269B	28.5 B	10.2	5.27	2.24	2.10	0.351E	1.59	0.790	0.527	17
18	0.330B	0.311B	0.264B	20.9 B	11.2	4.90	7.16	1.97	0.386E	1.67	0.740	0.515	18
19	0.344B	0.328B	0.246B	14.6 B	11.7	4.60	9.21	1.86	0.396E	1.71	0.736	0.514	19
20	0.324B	0.329B	0.239B	12.1 B	11.7	4.33	8.81	1.69	0.410E	1.71 A	0.799	0.521	20
21	0.321B	0.322B	0.239B	10.8 B	11.1	4.18	8.18	1.49	0.424A	1.71 A	0.857	0.512	21
22	0.328B	0.308B	0.242B	9.87 B	10.5	4.07	7.75	1.37	0.444	1.73	0.819	0.495	22
23	0.315B	0.269B	0.253B	9.45 B	9.97	3.96	8.06	1.28	0.469	1.74	0.778	0.500	23
24	0.287B	0.238B	0.252B	9.24	9.39	3.76	9.08	1.22	0.458	1.69	0.711	0.505	24
25	0.290B	0.222B	0.253B	9.46	9.00	3.61	9.08	1.14	0.446	1.62	0.659	0.500	25
26	0.292B	0.235B	0.246B	9.65	8.49	3.42	7.73	1.03	0.454	1.58	0.594	0.492	26
27	0.322B	0.201B	0.241B	9.44	7.98	3.21	6.83	0.916	0.463	1.55	0.548	0.493	27
28	0.305B	0.215B	0.252B	9.11	7.44	2.98	5.99	0.820	0.514	1.58	0.536	0.489	28
29	0.298B		0.280B	8.94	7.01	2.76	6.52	0.784	0.661	1.69	0.501	0.489	29
30	0.291B		0.370B	8.72	6.73	2.57	6.96	0.774	0.659	1.69	0.493	0.482	30
31	0.273B		0.517B		6.57		6.61	0.736		1.72		0.470	31
TOTAL	11.138	7.989	8.191	220.346	296.28	158.04	165.02	71.470	15.431	41.244	29.332	19.288	TOTAL
MEAN	0.359	0.285	0.264	7.34	9.56	5.27	5.32	2.31	0.514	1.33	0.978	0.622	MEAN
MAX	0.482	0.357	0.517	32.6	12.3	7.46	9.21	5.81	0.712	1.74	1.69	1.25	MAX
MIN	0.273	0.201	0.172	0.390	6.57	2.57	2.10	0.736	0.351	0.652	0.493	0.470	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.86
MAXIMUM DAILY, 32.6B ON APR 16
MINIMUM DAILY, 0.172B ON MAR 7
MAXIMUM INSTANTANEOUS,
45.1 AT 14:00 CST ON APR 16

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 51 42 N
LONG 96 15 10 W
DRAINAGE AREA, 712 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	962	JUL	16 300
FEB	690	AUG	6 190
MAR	708	SEP	1 230
APR	19 000	OCT	3 560
MAY	25 600	NOV	2 530
JUN	13 700	DEC	1 670

TOTAL DISCHARGE, 90 200 dam³

BLOODVEIN RIVER ABOVE BLOODVEIN BAY - STATION NO. 05RD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	19.4B	15.7B	12.9B	12.9B	99.3	96.2	111	76.5	59.7	35.4	40.9	21.5B	1
2	19.1B	15.8B	12.8B	12.6B	97.4	87.9	109	76.4	60.1	35.3	40.2	22.2B	2
3	18.9B	15.3B	12.6B	13.0B	96.2	102	108	75.7	59.1	35.1	39.0	24.1B	3
4	19.1B	15.3B	12.6B	12.9B	97.4	106	107	75.9	57.8	35.9	37.8	26.5B	4
5	19.1B	15.2B	12.6B	12.6B	98.9	107	107	74.9	56.5	36.1	36.8	27.6B	5
6	18.8B	15.6B	12.4B	12.1B	98.0	115	106	74.3	54.4	36.3	36.0	26.7B	6
7	18.8B	15.5B	12.1B	11.9B	102	134	104	73.5	53.1	36.3	35.4	25.2B	7
8	18.0B	14.8B	11.7B	11.8B	104	159	100	75.7	51.4	35.9	34.7	23.4B	8
9	17.6B	14.8B	11.6B	11.5B	108	164	98.6	74.3	50.6	35.8	34.2	21.9B	9
10	17.2B	14.7B	11.5B	11.4B	108	161	96.6	71.8	49.4	35.9	33.3	20.8B	10
11	17.3B	14.6B	11.5B	11.5B	106	158	94.2	70.0	48.7	37.2	32.9	19.7B	11
12	17.1B	14.6B	11.5B	11.6B	101	154	93.2	68.4	47.2	38.5	31.9B	18.6B	12
13	17.2B	14.6B	12.7B	11.9B	99.7	150	91.0	67.1	45.9	40.0	30.5B	18.3B	13
14	17.6B	14.6B	13.0B	12.9B	97.8	145	87.0	66.3	44.4	40.7	29.6B	18.1B	14
15	17.3B	14.6B	13.1B	17.6B	96.5	143	84.6	68.3	43.0	41.1	28.8B	17.8B	15
16	16.9B	14.6B	13.2B	44.6B	96.6	138	83.9	68.0	42.0	40.1	28.3B	17.8B	16
17	16.7B	14.9B	13.1B	67.6B	96.5	136	84.0	65.9	41.2	39.6	27.9B	17.7B	17
18	16.4B	14.9B	12.9B	77.1B	97.4	132	85.7	64.2	40.2	41.4	27.1B	17.7B	18
19	16.1B	14.9B	12.8B	82.7B	99.7	128	85.8	73.6	39.5	42.6	26.9B	17.4B	19
20	15.9B	15.0B	12.4B	83.9B	101	125	84.9	76.3	38.1	43.1	27.3B	17.3B	20
21	15.9B	14.9B	12.3B	88.7B	103	122	82.4	75.1	37.4	43.6	28.3B	17.3B	21
22	15.7B	14.7B	11.9B	94.9B	103	120	79.2	72.5	36.8	43.4	27.1B	17.0B	22
23	15.5B	14.3B	11.8B	107 B	103	116	76.9	69.6	36.3	42.8	26.3B	17.1B	23
24	15.8B	13.9B	11.6B	120 B	102	116	74.2	67.7	35.3	42.5	25.4B	16.8B	24
25	15.9B	13.6B	11.4B	121	100	116	72.9	65.6	34.4	41.9	24.7B	16.5B	25
26	15.9B	13.1B	11.1B	118	99.7	116	70.3	62.9	33.5	41.4	23.4B	16.4B	26
27	16.0B	12.9B	11.5B	114	98.4	116	68.8	62.3	32.9	40.7	22.1B	16.4B	27
28	16.0B	12.9B	11.8B	110	97.1	116	68.1	61.2	32.0	40.0	21.0B	16.0B	28
29	15.9B		11.6B	106	96.1	115	71.2	61.2	33.2	40.9	21.7B	15.8B	29
30	15.6B		12.2B	103	95.1	111	73.0	60.7	33.6	41.6	21.6B	15.5B	30
31	15.4B		12.7B		95.4		75.5	60.2		41.5		15.2B	31
TOTAL	528.1	410.3	378.9	1 626.7	3 094.2	3 815.1	2 734.0	2 156.1	1 327.7	1 222.6	901.9	600.1	TOTAL
MEAN	17.0	14.7	12.2	54.2	99.8	127	88.2	69.6	44.3	39.4	30.1	19.4	MEAN
MAX	19.4	15.8	13.2	121	108	164	111	76.5	60.1	43.6	40.9	27.4	MAX
MIN	15.4	12.9	11.1	11.4	95.1	96.2	68.1	60.2	32.0	35.1	21.6	15.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 51.5
MAXIMUM DAILY, 164 ON JUN 9
MINIMUM DAILY, 11.1B ON MAR 26
MAXIMUM INSTANTANEOUS,
165 AT 12:05 CST ON JUN 9

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 42 52 N
LONG 96 36 44 W
DRAINAGE AREA, 9 090 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	45 600	JUL	236 000
FEB	35 400	AUG	186 000
MAR	32 700	SEP	115 000
APR	141 000	OCT	106 000
MAY	267 000	NOV	77 900
JUN	330 000	DEC	51 800

TOTAL DISCHARGE, 1 626 000 dam³

BOYNE RIVER NEAR CARMAN - STATION NO. 05OF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	0.505B	1.12	0.509	0.840	0.018	0	0.022	0.029	0.012B	1
2	0B	0B	0 B	0.399B	0.795	0.498	0.858	0.017	0	0.023	0.015	0.268B	2
3	0B	0B	0 B	0.334B	0.497	0.483	0.879	0.029	0	0.023	0.014	0.179B	3
4	0B	0B	0 B	0.301B	0.317	0.369	0.877	0.032	0	0.017	0.013B	0.146B	4
5	0B	0B	0 B	0.268B	0.194	0.232	0.938	0.020	0	0.013	0.012B	0.137B	5
6	0B	0B	0 B	0.236B	0.371	0.264	0.897	0.012	0	0.015	0.012B	0.120B	6
7	0B	0B	0 B	0.204B	0.590	0.425	0.716	0.010	0	0.091	0.011B	0.113B	7
8	0B	0B	0 B	0.179B	0.585	0.289	0.273	0.005	0	0.144	0.010B	0.110B	8
9	0B	0B	0 B	0.167B	0.590	0.320	0.117	0.005	0	0.128	0.010B	0.106B	9
10	0B	0B	0 B	0.154B	0.586	0.266	0.085	0.003	0	0.159	0.009B	0.107B	10
11	0B	0B	0 B	0.179B	0.583	0.413	0.084	0.002	0	0.190	0.009B	0.107B	11
12	0B	0B	0 B	0.200B	0.570	0.675	0.071	0	0	0.133	0.008B	0.108B	12
13	0B	0B	0 B	2.15 B	0.557	0.612	0.110	0	0	0.113	0.007B	0.109B	13
14	0B	0B	0 B	5.64 B	0.540	0.546	0.097	0	0	0.113	0.007B	0.109B	14
15	0B	0B	0 B	6.53 B	0.605	0.458	0.071	0	0	0.108	0.006B	0.110B	15
16	0B	0B	0 B	5.57 B	0.632	0.484	0.086	0	0	0.108	0.006B	0.111B	16
17	0B	0B	0 B	5.23 B	0.662	0.379	0.247	0	0	0.113	0.005B	0.111B	17
18	0B	0B	0 B	3.98 B	0.648	0.301	0.113	0	0	0.108	0.010B	0.112B	18
19	0B	0B	0 B	3.41 B	0.795	0.280	0.066	0	0	0.095	0.061B	0.113B	19
20	0B	0B	0 B	2.72 B	1.07	0.240	0.049	0	0	0.088	0.055B	0.113B	20
21	0B	0B	0 B	2.52 B	1.22	0.187	0.039	0	0	0.083	0.050B	0.114B	21
22	0B	0B	0 B	2.41 B	1.14	0.183	0.037	0	0	0.078	0.044B	0.115B	22
23	0B	0B	0 B	2.38 B	1.01	0.196	0.084	0	0.003	0.074	0.038B	0.115B	23
24	0B	0B	0 B	2.16	0.896	0.151	0.085	0	0.108	0.065	0.034B	0.116B	24
25	0B	0B	0 B	1.97	0.788	0.124	0.047	0	0.091	0.062	0.029B	0.117B	25
26	0B	0B	0 B	1.86	0.729	0.114	0.029	0	0.067	0.061	0.025B	0.117B	26
27	0B	0B	0 B	1.74	0.656	0.109	0.023	0	0.043	0.052	0.022B	0.118B	27
28	0B	0B	0.013B	1.69	0.586	0.135	0.019	0	0.115	0.051	0.019B	0.119B	28
29	0B		0.268B	1.65	0.548	0.115	0.018	0	0.119	0.057	0.016B	0.120B	29
30	0B		0.863B	1.52	0.523	0.246	0.017	0	0.043	0.045	0.014B	0.120B	30
31	0B		0.609B		0.525		0.019	0		0.038		0.121B	31
TOTAL	0	0	1.753	58.256	20.928	9.603	7.889	0.153	0.589	2.470	0.690	3.693	TOTAL
MEAN	0	0	0.057	1.94	0.675	0.320	0.254	0.005	0.020	0.080	0.020	0.119	MEAN
MAX	0	0	0.863	6.53	1.22	0.675	0.938	0.032	0.119	0.190	0.061	0.268	MAX
MIN	0	0	0	0.154	0.194	0.109	0.017	0	0	0.013	0.005	0.012	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.290
MAXIMUM DAILY, 6.53B ON APR 15
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
8.21B AT 00:27 CST ON APR 15

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 08 N
LONG 97 56 40 W
DRAINAGE AREA, 976 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	682
FEB	0	AUG	13.2
MAR	151	SEP	50.9
APR	5 030	OCT	213
MAY	1 810	NOV	51.8
JUN	830	DEC	319

TOTAL DISCHARGE, 9 150 dam³

BOYNE RIVER NEAR ROSEISLE - STATION NO. 05OP011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.472B	0.255	0.092	0.013	0.004E	0	0	---	---	1
2	---	---	0 B	0.330B	0.285	0.076	0.010	0.002E	0	0.001	---	---	2
3	---	---	0 B	0.284B	0.278	0.065	0.007	0.002E	0	0.021	---	---	3
4	---	---	0 B	0.261B	0.251	0.089	0.004	0.001E	0	0.031	---	---	4
5	---	---	0 B	0.238B	0.212	0.133	0.003	0.001A	0	0.036	---	---	5
6	---	---	0 B	0.224B	0.194	0.131	0.001	0.010	0	0.054	---	---	6
7	---	---	0 B	0.214B	0.166	0.429	0.011A	0.021	0	0.080	---	---	7
8	---	---	0 B	0.207B	0.145	0.682	0.013E	0.010	0	0.098	---	---	8
9	---	---	0 B	0.203B	0.150	0.507	0.015E	0.001	0	0.110	---	---	9
10	---	---	0 B	0.330B	0.213	0.471	0.011E	0.001	0	0.095	---	---	10
11	---	---	0 B	0.650B	0.333	0.362	0.005E	0.001	0	0.203	---	---	11
12	---	---	0 B	0.901B	0.280	0.265	0.003E	0.001	0	0.116	---	---	12
13	---	---	0 B	1.19	0.250	0.207	0.015E	0.001	0	0.056	---	---	13
14	---	---	0.011B	0.924	0.231	0.204	0.032E	0.001	0	0.061	---	---	14
15	---	---	0.039B	0.894	0.261	0.128	0.034E	0.015	0	0.078	---	---	15
16	---	---	0.050B	0.678	0.380	0.142	0.022E	0.016	0	0.051	---	---	16
17	---	---	0.050B	1.05	0.530	0.136	0.020E	0.017	0	0.047	---	---	17
18	---	---	0.052B	0.916	0.954	0.136	0.019E	0.026	0	0.047	---	---	18
19	---	---	0.054B	1.38	0.731	0.176	0.016E	0.025	0	0.041	---	---	19
20	---	---	0.055B	1.62	0.582	0.193	0.016E	0.018	0	0.037	---	---	20
21	---	---	0.056B	1.64	0.432	0.327	0.020E	0.010	0	0.046	---	---	21
22	---	---	0.058B	1.59	0.309	0.482	0.036E	0.014	0	0.041	---	---	22
23	---	---	0.062B	1.44	0.271	0.487	0.051E	0.017	0	0.039	---	---	23
24	---	---	0.065B	1.22	0.240	0.430	0.043E	0.022	0	0.034	---	---	24
25	---	---	0.071B	1.03	0.210	0.307	0.037E	0.013	0	0.038	---	---	25
26	---	---	0.075B	0.788	0.195	0.215	0.031E	0.002	0	0.043	---	---	26
27	---	---	0.086B	0.657	0.173	0.119	0.028E	0	0	0.041	---	---	27
28	---	---	0.145B	0.514	0.141	0.065	0.022E	0	0	0.038	---	---	28
29	---		0.650B	0.367	0.122	0.019	0.019E	0	0	0.039	---	---	29
30	---		1.09 B	0.271	0.121	0.016	0.011E	0	0	0.041	---	---	30
31	---		0.610B		0.108		0.008E	0		0.038		---	31
TOTAL	---	---	3.279	22.483	9.003	7.091	0.576	0.252	0	1.701	---	---	TOTAL
MEAN	---	---	0.106	0.749	0.290	0.236	0.019	0.008	0	0.055	---	---	MEAN
MAX	---	---	1.09	1.64	0.954	0.682	0.051	0.026	0	0.203	---	---	MAX
MIN	---	---	0	0.203	0.108	0.016	0.001	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.181
MAXIMUM DAILY, 1.64 ON APR 21
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 32 39 N
LONG 98 24 52 W
DRAINAGE AREA, 565 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	49.8
FEB	---	AUG	21.8
MAR	283	SEP	0
APR	1 940	OCT	147
MAY	778	NOV	---
JUN	613	DEC	---

TOTAL DISCHARGE, 3 830 dam³

BOYNE RIVER NEAR STEPHENFIELD - STATION NO. 05OP006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.039B	0.025B	0.022B	0.036B	0.093A	0.154A	0.445A	0.028A	0.010	0.031	0.025	0.286B	1
2	0.037B	0.024B	0.022B	0.056B	0.074A	0.122A	0.352A	0.028A	0.014	0.043	0.027	0.261B	2
3	0.036B	0.024B	0.022B	0.082B	0.428A	0.195A	0.223A	0.016A	0.048	0.044	0.029	0.237B	3
4	0.035B	0.024B	0.022B	0.147B	1.70 A	0.185A	0.150A	0.016A	0.049	0.048	0.029	0.216B	4
5	0.034B	0.024B	0.023B	0.636B	1.29 A	0.206A	0.129A	0.016A	0.036	0.043	0.029	0.195B	5
6	0.033B	0.024B	0.023B	1.51 B	0.577A	0.459A	0.119A	0.027A	0.039	0.041	0.028	0.185B	6
7	0.032B	0.024B	0.023B	1.88 B	0.556A	0.514A	0.098A	0.022	0.052	0.056	0.035	0.181B	7
8	0.031B	0.023B	0.023B	1.75 B	0.535A	0.535A	0.090A	0.019	0.041	0.046	0.035	0.178B	8
9	0.030B	0.023B	0.023B	1.63 B	0.514A	0.577A	0.072A	0.021	0.082	0.046	0.033	0.174B	9
10	0.029B	0.023B	0.023B	1.55 B	0.501A	0.556A	0.056A	0.013	0.180	0.064	0.035	0.171B	10
11	0.028B	0.023B	0.023B	1.72 B	0.490A	0.546A	0.048A	0.016	0.161	0.061	0.043	0.168B	11
12	0.028B	0.023B	0.023B	1.98 B	0.490A	0.469A	0.037A	0.012	0.170	0.045	0.062	0.164B	12
13	0.028B	0.023B	0.023B	6.26 A	0.490A	0.459A	0.037A	0.021	0.182	0.044	0.080	0.160B	13
14	0.028B	0.022B	0.023B	5.87 A	0.469A	0.376A	0.033A	0.013	0.181	0.040	0.083	0.160B	14
15	0.027B	0.022B	0.023B	6.10 A	0.480A	0.258A	0.033A	0.020	0.227	0.042	0.083	0.160B	15
16	0.027B	0.022B	0.023B	5.02 A	0.577A	0.329A	0.048A	0.010	0.300	0.044	0.061	0.160B	16
17	0.027B	0.022B	0.023B	3.40 A	0.735A	0.216A	0.042A	0.008	0.282	0.055	0.045	0.160B	17
18	0.027B	0.022B	0.023B	3.30 A	1.06 A	0.202A	0.037A	0.007	0.304	0.056	0.040	0.160B	18
19	0.027B	0.022B	0.023B	2.71 A	1.34 A	0.158A	0.028A	0.007	0.305	0.051	0.236	0.160B	19
20	0.027B	0.021B	0.023B	2.60 A	1.18 A	0.161A	0.017A	0.007	0.296	0.042	0.329	0.160B	20
21	0.026B	0.021B	0.023B	2.33 A	1.05 A	0.140A	0.017A	0.007	0.284	0.038	0.458	0.160B	21
22	0.026B	0.021B	0.023B	2.30 A	0.602A	0.150A	0.001A	0.011	0.162	0.043	0.495	0.160B	22
23	0.026B	0.021B	0.023B	1.97 A	0.535A	0.181A	0.001A	0.007	0.117	0.048	0.487B	0.160B	23
24	0.026B	0.021B	0.023B	1.92 A	0.587A	0.161A	0.005A	0.007	0.085	0.049	0.476B	0.159B	24
25	0.026B	0.021B	0.023B	1.79 A	0.587A	0.181A	0.009A	0.007	0.063	0.045	0.469B	0.159B	25
26	0.026B	0.022B	0.023B	1.71 A	0.535A	0.150A	0.028A	0.006	0.050	0.042	0.442B	0.159B	26
27	0.025B	0.022B	0.024B	1.69 A	0.459A	0.678A	0.033A	0.006	0.053	0.041	0.425B	0.159B	27
28	0.025B	0.022B	0.025B	1.51 A	0.490A	0.937A	0.033A	0.007	0.084	0.047	0.390B	0.159B	28
29	0.025B		0.026B	0.885A	0.514A	0.937A	0.037A	0.009	0.060	0.043	0.355B	0.159B	29
30	0.025B		0.027B	0.469A	0.318A	0.949A	0.037A	0.013	0.037	0.034	0.328B	0.159B	30
31	0.025B		0.027B		0.247A		0.028A	0.012		0.028		0.159B	31
TOTAL	0.891	0.631	0.723	64.811	19.579	11.124	2.333	0.411	3.954	1.480	5.684	5.448	TOTAL
MEAN	0.029	0.023	0.023	2.16	0.632	0.371	0.075	0.013	0.132	0.045	0.189	0.176	MEAN
MAX	0.039	0.025	0.027	6.26	1.70	0.949	0.445	0.027	0.305	0.064	0.495	0.286	MAX
MIN	0.025	0.021	0.022	0.036	0.074	0.122	0.001	0.006	0.010	0.028	0.025	0.159	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.330
MAXIMUM DAILY, 6.26A ON APR 13
MINIMUM DAILY, 0.001A ON JUL 22

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 48 N
LONG 98 14 58 W
DRAINAGE AREA, 873 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1964

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	77.0	JUL	201
FEB	54.5	AUG	35.5
MAR	62.5	SEP	342
APR	5 600	OCT	121
MAY	1 690	NOV	491
JUN	961	DEC	471

TOTAL DISCHARGE, 10 100 dam³

BOYNE RIVER NEAR TREHERNE - STATION NO. 05OF010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.01 B	0.138	0.131	---	---	---	---	---	---	1
2	---	---	0 B	0.856B	0.130	0.067	---	---	---	---	---	---	2
3	---	---	0 B	0.633B	0.122	0.061	---	---	---	---	---	---	3
4	---	---	0 B	0.593B	0.130	0.037	---	---	---	---	---	---	4
5	---	---	0 B	0.548B	0.134	0.033	---	---	---	---	---	---	5
6	---	---	0 B	0.486B	0.152	0.034	---	---	---	---	---	---	6
7	---	---	0 B	0.443B	0.095	0.048	---	---	---	---	---	---	7
8	---	---	0 B	0.399B	0.087	0.056	---	---	---	---	---	---	8
9	---	---	0 B	0.398B	0.089	0.175	---	---	---	---	---	---	9
10	---	---	0 B	0.405B	0.091	0.103	---	---	---	---	---	---	10
11	---	---	0 B	0.417B	0.125	0.094	---	---	---	---	---	---	11
12	---	---	0 B	1.19 B	0.166	0.126	---	---	---	---	---	---	12
13	---	---	0 B	1.90 B	0.175	0.098	---	---	---	---	---	---	13
14	---	---	0 B	1.59 B	0.148	0.067	---	---	---	---	---	---	14
15	---	---	0.001B	1.36 B	0.159	0.035	---	---	---	---	---	---	15
16	---	---	0.004B	1.25	0.181	0.027	---	---	---	---	---	---	16
17	---	---	0.005B	1.03	0.229	0.021	---	---	---	---	---	---	17
18	---	---	0.003B	0.911	0.291	0.015	---	---	---	---	---	---	18
19	---	---	0.001B	0.728	0.340	0.017	---	---	---	---	---	---	19
20	---	---	0 B	0.566	0.304	0.017	---	---	---	---	---	---	20
21	---	---	0 B	0.472	0.237	0.013	---	---	---	---	---	---	21
22	---	---	0.001B	0.404	0.199	0.013	---	---	---	---	---	---	22
23	---	---	0.002B	0.382	0.163	0.030	---	---	---	---	---	---	23
24	---	---	0.001B	0.360	0.148	0.025	---	---	---	---	---	---	24
25	---	---	0 B	0.282	0.126	0.015	---	---	---	---	---	---	25
26	---	---	0 B	0.216	0.110	0.006	---	---	---	---	---	---	26
27	---	---	0.006B	0.177	0.087	0.001	---	---	---	---	---	---	27
28	---	---	0.003B	0.157	0.082	0	---	---	---	---	---	---	28
29	---		0.462B	0.156	0.071	0	---	---	---	---	---	---	29
30	---		1.05 B	0.153	0.062	0	---	---	---	---	---	---	30
31	---		1.43 B		0.143		---	---		---		---	31
TOTAL	---	---	3.049	19.456	4.696	1.383	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.098	0.649	0.151	0.045	---	---	---	---	---	---	MEAN
MAX	---	---	1.43	1.90	0.340	0.175	---	---	---	---	---	---	MAX
MIN	---	---	0	0.153	0.062	0	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.234
MAXIMUM DAILY, 1.90B ON APR 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.32B AT 08:38 CST ON APR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 15 N
LONG 98 38 35 W
DRAINAGE AREA, 277 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	263	SEP	---
APR	1 680	OCT	---
MAY	406	NOV	---
JUN	116	DEC	---

TOTAL DISCHARGE, 2 470 dam³

BRERETON LAKE NEAR RENNIE - STATION NO. 05PG003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	316.077	316.000	315.989	315.970	315.825	315.781	315.799	---	1
2	---	---	---	---	316.096	316.009	315.987	315.968	315.822	315.790	315.794	---	2
3	---	---	---	---	316.117	316.013	316.011	315.962	315.822	315.789	315.788	---	3
4	---	---	---	---	316.141	316.014	316.009	315.957	315.819	315.792	315.785A	---	4
5	---	---	---	---	316.156	316.023	316.013	315.952	315.815	315.789	---	---	5
6	---	---	---	---	316.161	316.040	316.012	315.948	315.814	315.787	---	---	6
7	---	---	---	---	316.157	316.060	316.000	315.940	315.815	315.809	---	---	7
8	---	---	---	---	316.156	316.065	315.995	315.922	315.813	315.807	---	---	8
9	---	---	---	---	316.157	316.074	315.990	315.913	315.813	315.803	---	---	9
10	---	---	---	---	316.161	316.087	315.985	315.910	315.812	315.811	---	---	10
11	---	---	---	---	316.165	316.094	315.980	315.905	315.810	315.816	---	---	11
12	---	---	---	---	316.167	316.101	315.975	315.900	315.809	315.816	---	---	12
13	---	---	---	---	316.165	316.110	315.970	315.890	315.812	315.816	---	---	13
14	---	---	---	---	316.164	316.118	315.968	315.890	315.805	315.813	---	---	14
15	---	---	---	---	316.165	316.110	315.970	315.889	315.802	315.810	---	---	15
16	---	---	---	---	316.167	316.103	315.971	315.884	315.800	315.812	---	---	16
17	---	---	---	---	316.172	316.093	316.005	315.880	315.794	315.818	---	---	17
18	---	---	---	---	316.172	316.086	315.998	315.879	315.791	315.814	---	---	18
19	---	---	---	---	316.169	316.081	315.996	315.872	315.784	315.812	---	---	19
20	---	---	---	315.769A	316.153	316.073	315.991	315.866	315.782	315.811	---	---	20
21	---	---	---	315.809	316.137	316.067	315.986	315.862	315.783	315.812	---	---	21
22	---	---	---	315.852	316.121	316.062	315.984	315.862	315.781	315.811	---	---	22
23	---	---	---	315.892	316.105	316.056	315.987	315.862	315.780	315.812	---	---	23
24	---	---	---	315.927	316.089	316.041	315.995	315.853	315.780	315.811	---	---	24
25	---	---	---	315.958	316.076	316.036	315.991	315.849	315.779	315.812	---	---	25
26	---	---	---	315.984	316.064	316.030	315.986	315.844	315.772	315.813	---	---	26
27	---	---	---	316.009	316.052	316.018	315.982	315.834	315.772	315.812	---	---	27
28	---	---	---	316.028	316.042	316.010	315.980	315.831	315.790	315.809	---	---	28
29	---		---	316.050	316.031	316.002	315.984	315.826	315.791	315.811	---	---	29
30	---		---	316.061	316.017	315.995	315.983	315.825	315.785	315.808	---	---	30
31	---		---		316.010		315.978	315.825		315.802		---	31
MEAN	---	---	---	---	316.122	316.056	315.989	315.889	315.799	315.807	---	---	MEAN
MAX	---	---	---	---	316.172	316.118	316.013	315.970	315.825	315.818	---	---	MAX
MIN	---	---	---	---	316.010	315.995	315.968	315.825	315.772	315.781	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 316.172 ON MAY 17

MAXIMUM INSTANTANEOUS,
316.181 AT 10:50 CST ON MAY 6

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 41 N
LONG 95 32 41 W

A - MANUAL GAUGE

REGULATED

BROKENHEAD RIVER NEAR BEAUSEJOUR - STATION NO. 05SA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.371B	0.010B	0.002B	5.11B	5.78	2.49	3.00	2.23	0.388	0.511	2.44	0.645B	1
2	0.376B	0.007B	0.008B	4.08B	5.43	2.82	2.98	2.18	0.359	0.272	2.33	0.793B	2
3	0.398B	0.007B	0.009B	4.09B	5.07	2.36	4.59	2.25	0.376	0.283	2.24	3.80 B	3
4	0.339B	0.009B	0.009B	3.85B	4.78	2.31	4.87	2.20	0.367	0.267	2.09 B	4.62 B	4
5	0.216B	0.011B	0.015B	3.91B	4.57	2.24	4.30	2.05	0.326	0.253	1.78 B	2.55 B	5
6	0.058B	0.010B	0.018B	3.15B	4.28	2.32	5.00	2.04	0.270	0.544	1.60 B	1.55 B	6
7	0.007B	0.011B	0.017B	2.38B	4.07	4.06	5.01	2.10	0.271	0.526	1.50 B	1.38 B	7
8	0.006B	0.012B	0.010B	3.12B	3.88	6.90	4.78	2.17	0.304	0.917	1.47 B	1.26 B	8
9	0.014B	0.013B	0.007B	2.38B	3.55	7.27	4.83	2.22	0.304	0.878	1.45 B	1.10 B	9
10	0.013B	0.014B	0.006B	2.35B	3.54	9.10	4.76	2.23	0.300	0.981	1.46 B	0.851B	10
11	0.009B	0.014B	0.004B	2.53B	3.52	8.78	4.54	2.23	0.254	1.93	1.44 B	0.539B	11
12	0.010B	0.014B	0.004B	4.10B	3.32	8.57	4.14	2.19	0.155	2.42	1.39 B	0.354B	12
13	0.015B	0.014B	0.002B	7.19B	3.49	8.80	3.68	2.14	0.129	2.40	1.33 B	0.227B	13
14	0.029B	0.034B	0 B	9.09B	3.53	9.29	3.13	2.12	0.118	2.62	0.896B	0.159B	14
15	0.036B	0.039B	0.002B	12.7 B	3.51	9.21	2.82	2.03	0.220	2.83	0.692B	0.168B	15
16	0.017B	0.073B	0.216B	18.6 B	3.51	8.87	2.47	1.80	0.279	3.01	0.610B	0.112B	16
17	0.011B	0.110B	0.216B	19.7 B	3.62	8.46	2.44	1.55	0.176	3.21	0.524B	0.168B	17
18	0.008B	0.119B	0.025B	16.1 B	3.88	7.98	2.23	1.39	0.139	3.54	0.432B	0.098B	18
19	0.012B	0.165B	0.228B	16.0 B	4.14	7.57	2.17	1.21	0.152	3.70	0.321B	0.043B	19
20	0.012B	0.146B	0.603B	15.3	4.45	7.14	2.11	1.02	0.197	3.74	0.290B	0.053B	20
21	0.013B	0.167B	0.501B	13.6	4.72	6.68	2.13	0.916	0.166	3.72	0.363B	0.033B	21
22	0.012B	0.089B	0.357B	12.0	4.83	6.09	2.10	0.879	0.167	3.59	0.351B	0.039B	22
23	0.012B	0.058B	0.282B	10.8	4.69	5.62	2.23	0.859	0.163	3.50	0.328B	0.211B	23
24	0.013B	0.005B	0.302B	10.2	4.31	5.39	2.29	0.782	0.172	3.37	0.344B	0.211B	24
25	0.015B	0.008B	0.433B	9.49	4.00	4.85	2.18	0.720	0.171	3.21	0.392B	0.116B	25
26	0.028B	0.007B	0.332B	8.65	3.73	4.40	1.98	0.650	0.152	3.03	0.480B	0.020B	26
27	0.009B	0.007B	0.204B	7.86	3.49	4.15	1.81	0.604	0.131	2.94	0.510B	0.018B	27
28	0.014B	0.002B	0.157B	7.19	3.32	3.82	1.68	0.530	0.285	2.83	0.636B	0.030B	28
29	0.016B		0.342B	6.72	3.11	3.53	2.53	0.521	0.201	2.75	0.608B	0.054B	29
30	0.014B		1.70 B	6.21	2.81	3.25	2.81	0.485	0.194	2.67	0.668B	0.141B	30
31	0.013B		5.87 B		2.57		2.54	0.448		2.55		0.236B	31
TOTAL	2.116	1.175	11.881	247.29	123.46	173.92	98.13	46.744	6.886	68.990	30.965	21.579	TOTAL
MEAN	0.068	0.042	0.383	8.24	3.98	5.80	3.17	1.51	0.230	2.23	1.03	0.696	MEAN
MAX	0.398	0.167	5.87	19.7	5.78	9.29	5.01	2.25	0.388	3.74	2.44	4.62	MAX
MIN	0.006	0.002	0	2.12	2.57	2.24	1.68	0.448	0.118	0.253	0.290	0.018	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.28
MAXIMUM DAILY, 19.7B ON APR 17
MINIMUM DAILY, 0B ON MAR 14
MAXIMUM INSTANTANEOUS,
23.6B AT 08:11 CST ON APR 17

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 05 25 N
LONG 96 25 46 W
DRAINAGE AREA, 1 580 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	183	JUL	8 480
FEB	102	AUG	4 040
MAR	1 030	SEP	595
APR	21 400	OCT	5 960
MAY	10 700	NOV	2 680
JUN	15 000	DEC	1 860

TOTAL DISCHARGE, 72 000 dam³

BROKENHEAD RIVER NEAR VIVIAN - STATION NO. 05SA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.36 B	2.34	0.500	0.777	0.646	0.204	0.061	---	---	1
2	---	---	0 B	2.48 B	2.12	0.447	0.773	0.738	0.186	0.077	---	---	2
3	---	---	0 B	1.03 B	1.95	0.396	1.32	0.744	0.164	0.094	---	---	3
4	---	---	0 B	0.216B	1.81	0.368	1.12	0.730	0.144	0.123	---	---	4
5	---	---	0 B	0.018B	1.65	0.343	1.16	0.760	0.123	0.141	---	---	5
6	---	---	0 B	0.009B	1.47	0.451	1.27	0.818	0.106	0.163	---	---	6
7	---	---	0 B	0.005B	1.32	1.24	1.20	0.850	0.098	0.296	---	---	7
8	---	---	0 B	0.088B	1.20	1.20	1.21	0.861	0.090	0.318	---	---	8
9	---	---	0 B	0.184B	1.14	1.50	1.24	0.898	0.082	0.361	---	---	9
10	---	---	0 B	0.406B	1.13	1.98	1.22	0.949	0.075	9.543	---	---	10
11	---	---	0 B	0.906B	1.13	2.10	1.14	1.00	0.067	0.776	---	---	11
12	---	---	0 B	1.80 B	1.09	2.33	1.05	1.02	0.059	0.843	---	---	12
13	---	---	0 B	3.71 B	1.05	2.58	0.958	1.01	0.053	1.02	---	---	13
14	---	---	0 B	5.73 B	1.06	2.95	0.824	0.923	0.050	1.21	---	---	14
15	---	---	0 B	6.08	1.09	3.13	0.718	0.881	0.049	1.42	---	---	15
16	---	---	0 B	7.05	1.10	3.16	0.634	0.796	0.051	1.60	---	---	16
17	---	---	0 B	7.10	1.30	3.05	0.634	0.691	0.049	1.82	---	---	17
18	---	---	0 B	7.36	1.37	2.93	0.556	0.636	0.046	1.98	---	---	18
19	---	---	0 B	7.06	1.38	2.80	0.503	0.563	0.042	2.00	---	---	19
20	---	---	0 B	6.45	1.34	2.69	0.456	0.503	0.039	1.97	---	---	20
21	---	---	0 B	5.85	1.27	2.51	0.401	0.462	0.036	1.86	---	---	21
22	---	---	0 B	5.43	1.22	2.32	0.357	0.436	0.034	1.78	---	---	22
23	---	---	0 B	5.11	1.18	2.27	0.381	0.420	0.035	1.70	---	---	23
24	---	---	0 B	4.87	1.11	2.02	0.392	0.391	0.032	1.63	---	---	24
25	---	---	0 B	4.44	1.04	1.78	0.387	0.360	0.029	1.56	---	---	25
26	---	---	0 B	3.98	0.946	1.60	0.386	0.332	0.027	1.49	---	---	26
27	---	---	0 B	3.61	0.861	1.41	0.375	0.309	0.029	1.41	---	---	27
28	---	---	0 B	3.29	0.775	1.27	0.385	0.282	0.053	1.34	---	---	28
29	---		0.150B	2.97	0.681	1.07	0.555	0.265	0.055	1.28	---	---	29
30	---		0.735B	2.64	0.589	0.913	0.603	0.242	0.055	1.19	---	---	30
31	---		1.68 B		0.541		0.619	0.220		1.12		---	31
TOTAL	---	---	2.565	102.232	38.253	53.308	23.600	19.736	2.162	33.136	---	---	TOTAL
MEAN	---	---	0.083	3.41	1.23	1.78	0.761	0.637	0.072	1.07	---	---	MEAN
MAX	---	---	1.68	7.36	2.34	3.16	1.32	1.02	0.204	2.00	---	---	MAX
MIN	---	---	0	0.005	0.541	0.343	0.357	0.220	0.027	0.061	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.12
MAXIMUM DAILY, 7.36 ON APR 18
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
7.41 AT 14:20 CST ON APR 18

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 07 N
LONG 96 21 57 W
DRAINAGE AREA, 847 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 040
FEB	---	AUG	1 710
MAR	222	SEP	187
APR	8 830	OCT	2 860
MAY	3 310	NOV	---
JUN	4 610	DEC	---

TOTAL DISCHARGE, 23 800 dam³

BUFFALO LAKE CHANNEL NEAR ALTONA - STATION NO. 05OC025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.80 B	0.066	0.048	0.032E	0	0	0	---	---	1
2	---	---	0 B	1.63 B	0.060	0.044	0.027E	0	0	0	---	---	2
3	---	---	0 B	1.51 B	0.052	0.044	0.022E	0	0	0	---	---	3
4	---	---	0 B	1.46 B	0.043	0.039	0.018E	0	0	0	---	---	4
5	---	---	0 B	1.41 B	0.037	0.033	0.014E	0	0	0	---	---	5
6	---	---	0 B	1.41 B	0.028	0.027	0.008E	0	0	0	---	---	6
7	---	---	0 B	1.40 B	0.018	0.038	0.004E	0	0	0	---	---	7
8	---	---	0 B	1.39 B	0.014	0.109	0 E	0	0	0	---	---	8
9	---	---	0 B	1.55 B	0.015	0.136	0 E	0	0	0	---	---	9
10	---	---	0 B	1.70 B	0.024	0.163	0 E	0	0	0	---	---	10
11	---	---	0 B	2.04 B	0.026	0.347	0 E	0	0	0	---	---	11
12	---	---	0 B	10.8 B	0.029	0.374	0 E	0	0	0	---	---	12
13	---	---	0 B	17.0 B	0.029	0.351	0 E	0	0	0	---	---	13
14	---	---	0 B	10.2 B	0.041	0.341	0 A	0	0	0.006	---	---	14
15	---	---	0 B	4.26 B	0.075	0.308	0	0	0	0.188	---	---	15
16	---	---	0 B	1.77 B	0.102	0.271	0	0	0	0.289	---	---	16
17	---	---	0 B	0.932B	0.111	0.242	0	0	0	0.332	---	---	17
18	---	---	0 B	0.581	0.112	0.207	0	0	0	0.393	---	---	18
19	---	---	0 B	0.428	0.114	0.172	0	0	0	0.372	---	---	19
20	---	---	0 B	0.337	0.182	0.150	0	0	0	0.334	---	---	20
21	---	---	0 B	0.260	0.230	0.131	0	0	0	0.311E	---	---	21
22	---	---	0 B	0.213	0.215	0.114	0	0	0	0.289E	---	---	22
23	---	---	0 B	0.180	0.188	0.100	0	0	0	0.269E	---	---	23
24	---	---	0 B	0.157	0.161	0.090	0	0	0	0.249E	---	---	24
25	---	---	0 B	0.134	0.141	0.080	0	0	0	0.229E	---	---	25
26	---	---	0 B	0.114	0.124	0.061	0	0	0	0.209E	---	---	26
27	---	---	0 B	0.104	0.112	0.054	0	0	0	0.189E	---	---	27
28	---	---	0.225B	0.095	0.103	0.045A	0	0	0	0.170E	---	---	28
29	---		0.570B	0.085	0.091	0.041E	0	0	0	0.154E	---	---	29
30	---		1.41 B	0.072	0.073	0.037E	0	0	0	0.138E	---	---	30
31	---		1.90 B		0.060		0	0		0.122E		---	31
TOTAL	---	---	4.105	65.022	2.676	4.198	0.125	0	0	4.263	---	---	TOTAL
MEAN	---	---	0.132	2.17	0.086	0.140	0.004	0	0	0.138	---	---	MEAN
MAX	---	---	1.90	17.0	0.230	0.374	0.032	0	0	0.393	---	---	MAX
MIN	---	---	0	0.072	0.014	0.027	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.328
MAXIMUM DAILY, 17.0B ON APR 13
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 28 N
LONG 97 36 35 W
DRAINAGE AREA, 648 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	10.8
FEB	---	AUG	0
MAR	355	SEP	0
APR	5 620	OCT	368
MAY	231	NOV	---
JUN	363	DEC	---

TOTAL DISCHARGE, 6 950 dam³

BURNT LAKE DRAIN NO. 1 NEAR DEERHORN - STATION NO. 05LW002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.050B	0.381	0.175	---	---	---	---	---	---	1
2	---	---	0 B	0.010B	0.357	0.168	---	---	---	---	---	---	2
3	---	---	0 B	0 B	0.353	0.162	---	---	---	---	---	---	3
4	---	---	0 B	0 B	0.347	0.152	---	---	---	---	---	---	4
5	---	---	0 B	0 B	0.319	0.148	---	---	---	---	---	---	5
6	---	---	0 B	0 B	0.304	0.151	---	---	---	---	---	---	6
7	---	---	0 B	0 B	0.303	0.156	---	---	---	---	---	---	7
8	---	---	0 B	0 B	0.268	0.156	---	---	---	---	---	---	8
9	---	---	0 B	0 B	0.256	0.167	---	---	---	---	---	---	9
10	---	---	0 B	0.054B	0.252	0.178	---	---	---	---	---	---	10
11	---	---	0 B	0.108B	0.251	0.184	---	---	---	---	---	---	11
12	---	---	0 B	0.161B	0.246	0.189	---	---	---	---	---	---	12
13	---	---	0 B	0.412B	0.229	0.196	---	---	---	---	---	---	13
14	---	---	0 B	0.810B	0.213	0.196	---	---	---	---	---	---	14
15	---	---	0 B	0.573B	0.202	0.194	---	---	---	---	---	---	15
16	---	---	0 B	1.03 B	0.202	0.187	---	---	---	---	---	---	16
17	---	---	0 B	0.562B	0.210	0.172	---	---	---	---	---	---	17
18	---	---	0 B	0.501A	0.218	0.158	---	---	---	---	---	---	18
19	---	---	0 B	0.849A	0.220	0.158	---	---	---	---	---	---	19
20	---	---	0 B	0.631A	0.225	0.165	---	---	---	---	---	---	20
21	---	---	0 B	0.464A	0.233	0.148	---	---	---	---	---	---	21
22	---	---	0 B	0.441A	0.238	0.138	---	---	---	---	---	---	22
23	---	---	0 B	0.399A	0.239	0.128	---	---	---	---	---	---	23
24	---	---	0 B	0.482A	0.237	0.116	---	---	---	---	---	---	24
25	---	---	0 B	0.639A	0.232	0.103	---	---	---	---	---	---	25
26	---	---	0 B	0.598	0.225	0.096	---	---	---	---	---	---	26
27	---	---	0 B	0.547	0.217	0.086	---	---	---	---	---	---	27
28	---	---	0.010B	0.509	0.206	0.077	---	---	---	---	---	---	28
29	---		0.040B	0.458	0.195	0.071	---	---	---	---	---	---	29
30	---		0.080B	0.414	0.187	0.066	---	---	---	---	---	---	30
31	---		0.100B		0.185		---	---		---		---	31
TOTAL	---	---	0.230	10.702	7.750	4.441	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.007	0.357	0.250	0.148	---	---	---	---	---	---	MEAN
MAX	---	---	0.100	1.03	0.381	0.196	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0.185	0.066	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.190
MAXIMUM DAILY, 1.03B ON APR 16
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 39 N
LONG 98 02 27 W
DRAINAGE AREA, 334 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	19.9	SEP	---
APR	925	OCT	---
MAY	670	NOV	---
JUN	384	DEC	---

TOTAL DISCHARGE, 2 000 dam³

BURNT LAKE DRAIN NO. 2 NEAR LUNDAR - STATION NO. 05LM003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.136B	0.595	0.316	0.299E	0.070	0.020	0.030	---	---	1
2	---	---	0 B	0.125B	0.556	0.311	0.308	0.105	0.025	0.032	---	---	2
3	---	---	0 B	0.115B	0.530	0.306	0.402	0.112	0.021	0.029	---	---	3
4	---	---	0 B	0.107B	0.541	0.297	0.468	0.088	0.020	0.030	---	---	4
5	---	---	0 B	0.102B	0.510	0.299	0.505	0.064	0.016	0.023	---	---	5
6	---	---	0 B	0.096B	0.492	0.348	0.443	0.050	0.018	0.015	---	---	6
7	---	---	0 B	0.093B	0.486	0.383	0.456	0.043	0.017	0.013	---	---	7
8	---	---	0 B	0.088B	0.450	0.350	0.429	0.040	0.014	0.010	---	---	8
9	---	---	0 B	0.085B	0.428	0.356	0.349	0.026	0.013	0.010	---	---	9
10	---	---	0 B	0.082B	0.423	0.377	0.328	0.019	0.012	0.018	---	---	10
11	---	---	0 B	0.294B	0.424	0.388	0.298	0.018	0.013	0.025	---	---	11
12	---	---	0 B	0.537B	0.420	0.397	0.271	0.020	0.009	0.023	---	---	12
13	---	---	0 B	0.905B	0.422	0.406	0.250	0.023	0.009	0.025	---	---	13
14	---	---	0 B	1.40 B	0.392	0.421	0.237	0.050	0.002	0.020	---	---	14
15	---	---	0 B	2.27 B	0.389	0.428	0.180	0.112	0.001	0.018	---	---	15
16	---	---	0 B	1.68	0.399	0.429	0.168	0.086	0	0.012	---	---	16
17	---	---	0 B	1.16	0.416	0.419	0.251	0.067	0	0.017	---	---	17
18	---	---	0 B	1.10	0.427	0.403	0.190	0.049	0	0.021	---	---	18
19	---	---	0 B	0.975	0.414	0.420	0.188	0.039	0	0.016	---	---	19
20	---	---	0 B	0.967	0.403	0.451	0.132	0.046	0	0.012	---	---	20
21	---	---	0 B	0.888	0.392	0.439	0.092	0.069	0	0.011	---	---	21
22	---	---	0 B	0.866	0.381	0.421	0.104	0.084	0 E	0.012	---	---	22
23	---	---	0 B	0.870	0.371	0.410	0.082	0.078	0 E	0.012	---	---	23
24	---	---	0 B	0.881	0.358	0.341	0.061	0.078	0.007E	0.010	---	---	24
25	---	---	0 B	0.863	0.354	0.240E	0.038	0.049	0.006	0.008	---	---	25
26	---	---	0 B	0.832	0.351	0.247E	0.027	0.035	0.010	0.003	---	---	26
27	---	---	0 B	0.797	0.350	0.255E	0.021	0.026	0.009	0.003	---	---	27
28	---	---	0.010B	0.743	0.338	0.266E	0.014	0.022	0.019	0.010	---	---	28
29	---		0.132B	0.700	0.325	0.276E	0.106	0.021	0.027	0.010	---	---	29
30	---		0.155B	0.640	0.320	0.288E	0.149	0.017	0.031	0.013E	---	---	30
31	---		0.149B		0.329		0.102	0.019		0.010E		---	31
TOTAL	---	---	0.646	20.397	12.986	10.678	7.028	1.628	0.319	0.508	---	---	TOTAL
MEAN	---	---	0.014	0.680	0.419	0.356	0.227	0.053	0.011	0.016	---	---	MEAN
MAX	---	---	0.155	2.27	0.595	0.451	0.505	0.112	0.031	0.032	---	---	MAX
MIN	---	---	0	0.082	0.320	0.240	0.014	0.017	0	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.220
MAXIMUM DAILY, 2.27B ON APR 15
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.66B AT 08:44 CST ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 17 N
LONG 98 05 24 W
DRAINAGE AREA, 746 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	607
FEB	---	AUG	141
MAR	38.5	SEP	27.6
APR	1 760	OCT	43.9
MAY	1 120	NOV	---
JUN	923	DEC	---

TOTAL DISCHARGE, 4 660 dam³

BURNTWOOD RIVER ABOVE THREE POINT LAKE - STATION NO. 05TB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.3 B	9.05B	7.26B	6.21B	157	98.3	63.0	24.0	23.8	20.0	24.5	11.9 B	1
2	11.3 B	8.96B	7.21B	6.19B	179	94.6	59.5	22.0	23.9	21.5	23.7	11.7 B	2
3	11.3 B	8.87B	7.18B	6.16B	188	91.2	55.4	21.8	24.2	23.6	22.4	11.5 B	3
4	11.3 B	8.77B	7.13B	6.14B	187	92.3	52.3	24.1	24.6	25.1	22.1	11.4 B	4
5	11.3 B	8.65B	7.09B	6.12B	180	91.7	51.0	28.2	24.3	25.1	21.6	11.2 B	5
6	11.3 B	8.57B	7.07B	6.10B	174	96.2	50.3	31.3	23.5	24.6	21.1	11.0 B	6
7	11.3 B	8.52B	7.02B	6.08B	167	105	48.7	32.9	22.7	24.4	20.8	10.9 B	7
8	11.3 B	8.46B	6.98B	6.05B	157	105	47.4	37.1	22.5	24.3	20.3	10.7 B	8
9	11.3 B	8.40B	6.95B	6.03B	147	98.5	46.6	37.6	23.0	24.1	19.8	10.6 B	9
10	11.3 B	8.34B	6.91B	6.01B	137	95.5	44.7	36.5	22.9	24.1	19.5B	10.5 B	10
11	11.3 B	8.27B	6.87B	5.99B	129	94.3	42.9	34.3	24.5	23.8	19.0B	10.4 B	11
12	11.3 B	8.19B	6.84B	5.97B	121	89.9	42.9	32.4	25.9	23.7	18.5B	10.3 B	12
13	11.3 B	8.13B	6.80B	5.95B	116	83.5	42.8	31.1	26.8	24.1	18.1B	10.2 B	13
14	11.3 B	8.06B	6.77B	5.93B	115	77.5	41.4	29.4	25.7	24.7	17.7B	10.1 B	14
15	11.2 B	8.00B	6.73B	5.91B	113	72.6	39.8	28.9	24.3	24.8	17.2B	10.1 B	15
16	11.1 B	7.93B	6.70B	5.89B	111	69.1	38.6	33.6	24.4	24.2	16.8B	10.0 B	16
17	11.1 B	7.85B	6.66B	5.87B	109	65.9	37.8	37.9	24.2	24.0	16.3B	9.92B	17
18	10.9 B	7.80B	6.62B	5.86B	108	63.6	35.7	38.3	23.9	23.7	15.9B	9.85B	18
19	10.7 B	7.75B	6.60B	5.84B	112	62.0	34.0	37.6	23.5	22.8	15.4B	9.78B	19
20	10.5 B	7.70B	6.58B	5.83B	126	62.0	35.2	37.0	22.7	22.7	15.1B	9.70B	20
21	10.4 B	7.66B	6.54B	5.81B	135	62.7	35.6	35.7	22.3	22.6	14.6B	9.64B	21
22	10.3 B	7.61B	6.51B	5.79B	134	61.2	35.1	33.6	22.3	22.5	14.2B	9.59B	22
23	10.1 B	7.56B	6.48B	5.78B	128	60.7	33.2	31.3	21.9	22.5	13.8B	9.53B	23
24	9.95B	7.52B	6.46B	5.85B	122	76.1	31.9	29.1	20.9	22.5	13.5B	9.48B	24
25	9.79B	7.47B	6.44B	6.78B	115	93.7	31.4	27.8	20.4	22.6	13.3B	9.43B	25
26	9.68B	7.43B	6.41B	8.51B	110	95.5	31.1	27.0	20.9	22.8	13.0B	9.39B	26
27	9.53B	7.38B	6.37B	11.6 B	104	89.1	29.8	26.3	20.4	23.0	12.8B	9.34B	27
28	9.43B	7.34B	6.32B	17.3	100	80.2	28.6	25.2	20.2	23.5	12.5B	9.30B	28
29	9.31B		6.28B	57.9	101	72.7	27.4	24.0	20.6	24.3	12.3B	9.25B	29
30	9.20B		6.26B	124	102	66.8	26.3	23.7	20.2	24.6	12.1B	9.22B	30
31	9.11B		6.23B		101		25.5	23.8		24.8		9.13B	31
TOTAL	330.50	226.23	208.28	369.45	4 085	2 467.4	1 245.9	983.5	691.4	731.0	517.9	315.05	TOTAL
MEAN	10.7	8.08	6.72	12.3	132	82.2	40.2	38.4	23.0	23.6	17.3	10.2	MEAN
MAX	11.3	9.05	7.26	124	188	105	63.0	38.3	26.8	25.1	24.5	11.9	MAX
MIN	9.11	7.34	6.23	5.78	100	60.7	25.5	21.8	20.2	20.0	12.1	9.13	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 33.2
MAXIMUM DAILY, 188 ON MAY 3
MINIMUM DAILY, 5.78B ON APR 23
MAXIMUM INSTANTANEOUS,
194 AT 16:10 CST ON MAY 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 27 50 N
LONG 99 06 00 W
DRAINAGE AREA, 6 660 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	28 600	JUL	108 000
FEB	19 500	AUG	81 500
MAR	18 000	SEP	59 700
APR	31 900	OCT	63 200
MAY	353 000	NOV	44 700
JUN	213 000	DEC	27 200

TOTAL DISCHARGE, 1 050 000 dam³

BUSHWOOD RIVER NEAR THOMPSON - STATION NO. 03TB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	616B	576B	586B	589B	626B	761	593E	825E	881	1 010	1 020	994B	1
2	612B	576B	587B	589B	604B	750	593E	834E	890	1 010	1 020	994B	2
3	606B	576B	587B	588B	759B	738	593E	836E	900	1 010	1 020	993B	3
4	601B	576B	587B	589B	820B	733	593E	841E	909	1 020	1 020	995B	4
5	597B	577B	588B	589B	877B	723	593E	850E	918	1 010	1 020	994B	5
6	593B	577B	588B	589B	900	728	592E	855A	928	1 010	1 020	994B	6
7	589B	577B	588B	588B	904	716	594E	865	938	1 010	1 020	994B	7
8	587B	578B	588B	588B	908	709	595E	876	942	1 010	1 010	993B	8
9	585B	578B	589B	588B	904	703	601E	881	953	1 010	1 010	993B	9
10	583B	579B	589B	587B	900	699	608E	890	961	1 020	1 010	992B	10
11	581B	579B	589B	587B	897	693	627E	897	969	1 020	1 010B	992B	11
12	579B	580B	589B	587B	892A	686	645E	904	979	1 010	1 000B	992B	12
13	578B	580B	590B	587B	887E	678	649E	908	990	1 010	1 000B	991B	13
14	577B	581B	590B	587B	876E	673	663E	914	997	1 010A	1 000B	991B	14
15	577B	581B	590E	587B	867E	664	678E	915	1 000	1 010A	1 000B	991B	15
16	576B	581B	590B	587B	857E	662	692E	917	1 010	1 010	1 000B	990B	16
17	576B	582B	590B	586B	852E	651	717E	915	1 010	1 020	1 000B	990B	17
18	576B	583B	590B	586B	845E	644	721E	915	1 010	1 020	1 000B	989B	18
19	575B	583B	590B	586B	842E	640	733E	913	1 020	1 020	1 000B	989B	19
20	575B	583B	591B	586B	838E	634	743E	908	1 020	1 010	1 000B	989B	20
21	575B	584B	591B	586B	834E	628	753E	899	1 020	1 010	999B	989B	21
22	575B	584B	591B	586B	825E	623	764E	891	1 020	1 010	999B	988B	22
23	575B	584B	591B	586B	820E	618	774E	881	1 020	1 020	999B	988B	23
24	575B	585B	591B	586B	811E	610A	781E	869	1 010	1 010	998B	988B	24
25	575B	585B	591B	586B	797A	606E	785E	858	1 010	1 010	998B	988B	25
26	575B	585B	591B	587B	799	602E	791E	851	1 010	1 020	998B	989B	26
27	575B	586B	591B	589B	794	600E	800E	851	1 010	1 010	997B	989B	27
28	575B	586B	590B	591B	788	598E	806E	853	1 020	1 010	997B	989B	28
29	575B		590B	593B	784	595E	811E	859	1 030	1 020	996B	989B	29
30	575B		590B	606B	777	595E	813E	864	1 020	1 020	996B	989B	30
31	576B		590B		770		816E	873		1 020		989B	31
TOTAL	18 065	16 262	18 273	17 647	25 734	19 955	21 518	27 208	29 394	31 420	30 157	30 725	TOTAL
MEAN	583	581	589	588	830	665	694	878	980	1 010	1 010	991	MEAN
MAX	616	586	591	606	908	761	816	917	1 030	1 020	1 020	996	MAX
MIN	575	576	586	586	626	595	593	825	881	1 010	996	989	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 785
MAXIMUM DAILY, 1 030 ON SEP 29
MINIMUM DAILY, 575B ON JAN 19
MAXIMUM INSTANTANEOUS,
1 030 AT 10:04 CST ON SEP 29

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 44 40 N
LONG 97 53 30 W
DRAINAGE AREA, 18 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 560 000	JUL	1 860 000
FEB	1 410 000	AUG	2 350 000
MAR	1 580 000	SEP	2 540 000
APR	1 520 000	OCT	2 710 000
MAY	2 220 000	NOV	2 610 000
JUN	1 720 000	DEC	2 650 000

TOTAL DISCHARGE, 24 780 000 dam³

CEDAR LAKE AT EASTERVILLE - STATION NO. 05KL009

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	255.630A	---	---	---	---	255.157	255.404A	255.869	256.086	255.880	---	---	1
2	255.569A	---	---	---	---	255.162	255.282A	255.838	256.083	255.893	---	---	2
3	255.508A	---	---	---	---	255.169	255.343A	255.956	256.056	255.884	---	---	3
4	255.447A	---	---	---	---	255.173	255.404A	255.975	256.052	255.825	---	---	4
5	255.386A	---	---	---	---	255.172	255.480A	255.980	256.061	255.896	---	---	5
6	255.325A	---	---	---	---	255.233	255.511A	255.965	256.011	255.872	---	---	6
7	255.279A	---	---	---	---	255.284A	255.572A	256.002	256.030	255.864	---	---	7
8	255.233A	254.207A	---	---	---	255.176A	255.578A	255.973	256.049	255.867	---	---	8
9	255.188A	---	---	---	---	255.221A	255.587A	256.016	256.042	255.850	---	---	9
10	255.157A	---	---	---	---	255.160A	255.602A	255.981	256.000	255.807	---	---	10
11	255.112A	---	---	---	---	255.221A	255.608A	255.938	256.044	255.852	---	---	11
12	255.081A	---	---	---	---	255.236A	255.596A	255.885	256.003	255.866A	---	---	12
13	255.051A	---	---	---	254.538A	255.252A	255.578A	255.825	255.956	255.854	---	---	13
14	255.020A	---	---	---	254.569	255.267A	255.572A	256.038	255.958	255.852	---	255.868A	14
15	254.990A	---	---	---	254.595	255.282A	255.661A	256.082	255.948	255.888	---	---	15
16	254.959A	---	---	---	254.621	255.297A	255.673	256.061	255.946	255.777	---	---	16
17	254.929A	---	---	---	254.651	255.313A	255.635	256.023	255.923	255.779	---	---	17
18	254.898A	---	253.676A	---	254.663	255.319A	255.753	256.080	255.912	255.842	---	---	18
19	254.868A	---	---	---	254.671	255.328A	255.769	256.070	255.907	255.866	---	---	19
20	254.837A	---	---	---	254.712	255.343A	255.809	256.057	255.944	255.870	---	---	20
21	---	---	---	---	254.737	255.358A	255.821	256.064	255.939	255.862	---	---	21
22	---	---	---	---	254.761	255.313A	255.760	256.060	255.935	255.834	---	---	22
23	---	---	---	---	254.785	255.374A	255.884	256.069	255.920	255.806A	---	---	23
24	---	---	---	---	254.827	255.404A	255.879	256.076	255.899	255.828A	---	---	24
25	---	---	---	---	254.840	255.395A	255.874	256.080	255.876	255.889A	---	---	25
26	---	---	---	---	254.859	255.435A	255.886	256.090	255.873	255.895A	---	---	26
27	---	---	---	---	254.870	255.450A	255.895	256.057	255.812	---	---	---	27
28	---	---	---	---	295.001	255.410A	255.912	255.997	255.732	---	---	---	28
29	---		---	---	254.988	255.450A	255.922	256.066	255.818	---	---	---	29
30	---		---	---	255.068	255.435A	255.946	256.062	255.886	---	---	---	30
31	---		---		255.150		255.912	256.039		---		---	31
MEAN	---	---	---	---	---	255.292	255.680	256.019	255.958	---	---	---	MEAN
MAX	---	---	---	---	---	255.450	255.946	256.090	256.086	---	---	---	MAX
MIN	---	---	---	---	---	255.157	255.282	255.834	255.732	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 256.090 ON AUG 26

MAXIMUM INSTANTANEOUS,
256.150 AT 01:05 CST ON AUG 15

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 07 00 N
LONG 99 50 00 W

A - MANUAL GAUGE

REGULATED

CEDAR LAKE NEAR OLSSON POINT - STATION NO. 05KL005

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	254.389	254.054	---	253.710	255.051	255.410	255.859	256.064	---	255.961	255.813	1
2	---	254.372	254.038	---	253.775	255.071	255.379	255.831	256.067	---	255.985	255.821	2
3	---	254.362	254.028	---	253.858	255.068	255.409	255.932	256.067	---	255.992	255.826	3
4	---	254.331	254.009	---	253.939	255.101	255.501	255.972	256.067	---	255.980	255.813	4
5	---	254.302	253.992	---	254.040	255.099	255.582	255.979	256.057	---	255.949	255.810	5
6	---	254.278	253.960	---	254.133	255.143	255.528	255.968	256.014	---	255.959	255.811	6
7	255.271A	254.258	253.928	---	254.208	255.167	255.552	255.978	256.032	---	255.971	255.791	7
8	255.245	254.226	253.897	---	254.294	255.181	255.571	256.038	256.044	---	255.974	255.766	8
9	255.199	254.199	253.876	---	254.368	255.175	255.576	256.065	256.026	---	255.962	255.742	9
10	255.162	254.190	253.849	---	254.430	255.218	255.587	255.999	255.986	---	255.966	255.726	10
11	255.127	254.167	253.814	---	254.490	255.234	255.588	255.932	256.019	---	255.968	255.711	11
12	255.096	254.117	253.782	---	254.538	255.246	255.620	255.962	255.995	255.868A	255.966	255.695	12
13	255.080	254.101	253.763	---	254.596	255.258	255.596	256.028	255.990	255.850	255.966	255.691	13
14	255.039	254.093	253.748	---	254.638	255.276	255.572	256.028	255.955	255.847	255.973	255.681	14
15	254.974	254.084	253.740	---	254.683	255.278	255.619	256.063	255.934	255.838	255.973	255.672	15
16	254.951	254.096	253.723	---	254.706	255.300	255.663	256.060	255.947	255.794	255.962	255.671	16
17	254.910	254.101	253.709	---	254.749	255.297	255.704	256.035	255.930	255.797	255.957	255.666	17
18	254.880	254.118	253.691	---	254.748	255.304	255.740	256.048	255.949	255.853	255.950	255.662	18
19	254.833	254.114	253.685	---	254.738	255.319	255.727	256.060	255.966	255.864	255.947	255.664	19
20	254.797	254.125	253.678	---	254.757	255.343	255.795	256.055	255.945	255.867	255.939	255.666	20
21	254.759	254.136	253.684	---	254.783	255.338	255.804	256.052	255.936	255.862	255.944	255.660	21
22	254.716	254.143	253.691	---	254.820	255.265	255.741	256.065	255.933	255.843	255.950	255.651	22
23	254.673	254.128	253.694	---	254.840	255.326	255.800	256.061	255.945	255.847	255.933	255.654	23
24	254.631	254.118	253.677	---	254.876	255.400	255.832	256.073	255.909	255.894	255.918	255.658	24
25	254.601	254.103	253.669	---	254.900	255.405	255.858	256.073	255.871	255.888	255.898	255.670	25
26	254.557	254.079	253.667	---	254.920	255.430	255.860	256.070	255.939	255.899	255.881	255.682	26
27	254.510	254.061	253.659	---	254.941	255.456	255.879	256.071	255.906	255.916	255.863	255.687	27
28	254.471	254.064	253.649	---	254.965	255.442	255.896	256.013	255.788	255.937	255.845	255.694	28
29	254.448		253.639	---	254.978	255.439	255.920	256.050	255.884	255.953	255.822	255.689	29
30	254.405		253.636	---	254.995	255.459	255.931	256.065	255.916A	255.971	255.810	255.686	30
31	254.392		253.617		255.036		255.940	256.042		255.957		255.695	31
MEAN	---	254.173	253.782	---	254.563	255.270	255.681	256.015	255.969	---	255.939	255.714	MEAN
MAX	---	254.389	254.054	---	255.036	255.459	255.940	256.073	256.067	---	255.992	255.826	MAX
MIN	---	254.061	253.617	---	253.710	255.051	255.379	255.831	255.788	---	255.810	255.651	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 256.073 ON AUG 24

MAXIMUM INSTANTANEOUS,
256.125 AT 01:37 CST ON AUG 24

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 19 33 N
LONG 100 16 00 W

A - MANUAL GAUGE

REGULATED

CHILDS LAKE NEAR BOGGY CREEK - STATION NO. 05MD008

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.320	1.360	1.311	1.379	1.288	1.243	1.221	---	1
2	---	---	---	---	1.321	1.359	1.324	1.379	1.286	1.241	1.220A	---	2
3	---	---	---	---	1.322	1.354	1.330	1.377	1.283	1.242	---	---	3
4	---	---	---	---	1.326	1.354	1.326	1.382	1.284	1.246	---	---	4
5	---	---	---	---	1.329	1.355	1.322	1.379	1.280	1.245	---	---	5
6	---	---	---	---	1.332	1.359	1.323	1.379	1.281	1.243	---	---	6
7	---	---	---	---	1.337	1.360	1.319	1.374	1.282	1.242	---	---	7
8	---	---	---	---	1.337	1.358	1.317	1.369	1.279	1.241	---	---	8
9	---	---	---	---	1.337	1.356	1.315	1.364	1.278	1.241	---	---	9
10	---	---	---	---	1.342	1.351	1.314	1.359	1.275	1.241	---	---	10
11	---	---	---	---	1.346	1.350	1.312	1.352	1.270	1.237	---	---	11
12	---	---	---	---	1.346	1.347	1.314	1.347	1.274	1.238	---	---	12
13	---	---	---	---	1.347	1.349	1.310	1.348	1.270	1.238	---	---	13
14	---	---	---	---	1.347	1.347	1.306	1.345	1.265	1.237	---	---	14
15	---	---	---	---	1.350	1.345	1.311	1.341	1.261	1.235	---	---	15
16	---	---	---	---	1.352	1.348	1.344	1.339	1.258	1.234	---	---	16
17	---	---	---	---	1.361	1.344	1.406	1.336	1.256	1.234	---	---	17
18	---	---	---	---	1.363	1.341	1.406	1.335	1.253	1.234	---	---	18
19	---	---	---	1.320	1.363	1.343	1.400	1.333	1.250	1.231	---	---	19
20	---	---	---	1.317	1.363	1.344	1.398	1.330	1.246	1.227	---	---	20
21	---	---	---	1.317	1.363	1.341	1.395	1.328	1.244	1.226	---	---	21
22	---	---	---	1.318	1.363	1.334	1.390	1.326	1.241	1.224	---	---	22
23	---	---	---	1.317	1.360	1.333	1.388	1.323	1.242	1.224	---	---	23
24	---	---	---	1.318	1.362	1.333	1.383	1.319	1.238	1.222	---	---	24
25	---	---	---	1.319	1.363	1.339	1.382	1.317	1.232	1.222	---	---	25
26	---	---	---	1.323	1.368	1.330	1.381	1.308	1.232	1.222	---	---	26
27	---	---	---	1.328	1.360	1.329	1.379	1.301	1.231	1.224	---	---	27
28	---	---	---	1.327	1.363	1.326	1.382	1.295	1.233	1.226	---	---	28
29	---		---	1.328	1.365	1.322	1.387	1.289	1.245	1.227	---	---	29
30	---		---	1.328	1.364	1.316	1.381	1.286	1.244	1.224	---	---	30
31	---		---		1.361		1.382	1.283		1.222		---	31
MEAN	---	---	---	---	1.349	1.344	1.353	1.339	1.260	1.233	---	---	MEAN
MAX	---	---	---	---	1.365	1.360	1.406	1.382	1.286	1.246	---	---	MAX
MIN	---	---	---	---	1.320	1.316	1.306	1.283	1.231	1.222	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 1.406 ON JUL 17

MAXIMUM INSTANTANEOUS,
1.407 AT 09:25 CST ON JUL 17

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 34 37 N
LONG 101 01 54 W

A - MANUAL GAUGE

NATURAL FLOW

CHURCHILL RIVER ABOVE GRANVILLE FALLS - STATION NO. 06HA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	623E	603	566	540	542	692	680	541	543	537	479	558	1
2	622E	598	563	537	564	686	684	537	546	536	471	565	2
3	622E	596	562	534	580	686	683	536	547	529	468	568	3
4	621E	596	564	527	597	683	686	536	544	528	470	566	4
5	621E	595	563	525	620	679	685	536	542	529	477	570	5
6	620E	595	561	526	638	672	684	532	546	528	478	572	6
7	620E	596	559	522	649	658	680	528	550	526	480	574	7
8	619E	591	561	523	664	662	677	529	550	526	482	576	8
9	619E	588	564	521	672	663	675	519	553	522	485	586	9
10	618E	588	564	517	686	661	673	520	554	517	487	589	10
11	618E	585	567	521	692	661	667	517	557	518	479	591	11
12	617A	585	567	520	703	660	664	515	552	518	479	598	12
13	618	586	563	517	709	660	660	512	550	517	482	601	13
14	621	586	555	512	708	656	658	507	552	510	485	606	14
15	616	585	566	508	710	651	649	509	554	503	487	613	15
16	614	584	561	507	718	648	644	513	551	499	486	619	16
17	612	587	556	504	718	647	634	517	549	499	487	626	17
18	611	587	555	504	719	646	631	523	546	499	495	629	18
19	609	585	558	503	722	641	623	524	546	499	496	633	19
20	608	586	558	500	727	641	618	527	549	499	501	636	20
21	605	586	557	500	730	647	609	528	551	496	505	637	21
22	606	580	555	499	729	652	601	530	547	496	507	634	22
23	605	573	555	496	728	651	600	530	542	497	508	641	23
24	602	567	549	494	725	655	595	531	544	495	513	648	24
25	604	566	549	495	721	661	585	530	546	493	517	656	25
26	604	565	548	494	714	662	578	530	537	491	521	655	26
27	607	565	552	499	703	664	572	530	533	489	531	656	27
28	604	568	554	500	700	665	565	532	529	484	539	658	28
29	604		552	509	695	672	559	538	527	480	544	656	29
30	604		552	522	696	679	554	542	530	479	549	661	30
31	606		545		696		545	540		476		666	31
TOTAL	19 000	16 372	17 310	15 376	21 171	19 861	19 618	16 333	16 371	15 713	14 883	19 080	TOTAL
MEAN	613	585	558	513	683	662	633	527	546	507	496	616	MEAN
MAX	623	603	567	540	730	692	686	542	557	537	549	666	MAX
MIN	602	565	545	494	542	641	545	507	527	476	468	558	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 578
MAXIMUM DAILY, 730 ON MAY 21
MINIMUM DAILY, 468 ON NOV 3
MAXIMUM INSTANTANEOUS,
738 AT 18:00 CST ON MAY 22

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 09 00 N
LONG 100 27 30 W
DRAINAGE AREA, 228 000 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1928

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 640 000	JUL	1 690 000
FEB	1 410 000	AUG	1 410 000
MAR	1 500 000	SEP	1 410 000
APR	1 330 000	OCT	1 360 000
MAY	1 830 000	NOV	1 290 000
JUN	1 720 000	DEC	1 650 000

TOTAL DISCHARGE, 18 200 000 dam³

CHURCHILL RIVER ABOVE LEAF RAPIDS - STATION NO. 06KD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	709	693	677	651	638	869	---	775	770	738	660	655	1
2	708	693	676	649	645	871	---	768	771	732	657	658	2
3	707	692	674	648	653	881	---	764	770	729	653	661	3
4	706	691	674	648	668	890	---	772	768	725	650	661	4
5	704	691	672	647	686	870A	---	773	765	725	648	664	5
6	705	690	672	646	701	---	---	769	764	722	647	666	6
7	704	690	671	646	717	---	---	767	763	717	646	668	7
8	704	689	670	645	729	---	---	771	763	717	645	669	8
9	703	689	668	644	742	---	---	770	760	715	645	671	9
10	701	687	668A	643	754	---	---	767	757	712	644	674	10
11	700	687	665E	643	763	---	---	763	764	710	648	675	11
12	700	686	666E	642	773	---	---	759	757	709	648	676	12
13	700	686	665E	639	780	---	---	761	753	707	648	677	13
14	700	683	662E	638	789	---	---	756	755	703	648	679	14
15	700	684	660E	636	796	---	---	762	753	700	639	681	15
16	699	681	659A	636	806	---	---	763	747	693	641	682	16
17	698	682	660	636	814	---	---	762	746	688	640	686	17
18	697	683	660	635	815	---	---	764	745	692	641	690	18
19	697	680	660	635	823	---	---	765	745	693	641	692	19
20	697	680	659	634	830	---	---	767	745	690	645	692	20
21	697	681	659	632	838	---	---	768	744	684	647	694	21
22	696	684	658	631	836	---	---	768	740	680	647	695	22
23	695	682	657	629	838	---	---	768	739	678	647	698	23
24	694	681	656	628	841	---	---	770	740	678	647	701	24
25	694	680	654	628	842	---	---	772	737	675	648	703	25
26	693	679	653	627	843	---	809A	769	733	673	648	708	26
27	696	677	652	---	847	---	802	767	730	672	649	708	27
28	695	677	652	626	858	---	798	765	721	670	650	709	28
29	695		651	628	862	---	794	768	723	669	651	711	29
30	694		651	633	866	---	787	770	737	670	652	713	30
31	693		652		870		779	767		664		714	31
TOTAL	21 679	19 178	20 533	---	24 259	---	---	23 766	22 505	21 630	19 389	21 225	TOTAL
MEAN	699	685	662	---	783	---	---	767	750	698	646	685	MEAN
MAX	709	693	677	---	870	---	---	775	771	738	660	714	MAX
MIN	693	677	651	---	638	---	---	756	721	664	639	655	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 626 ON APR 28

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 29 37 N
LONG 100 02 55 W
DRAINAGE AREA, 242 000 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1928

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 870 000	JUL	---
FEB	1 660 000	AUG	2 050 000
MAR	1 770 000	SEP	1 940 000
APR	---	OCT	1 870 000
MAY	2 100 000	NOV	1 680 000
JUN	---	DEC	1 830 000

CHURCHILL RIVER ABOVE RED HEAD RAPIDS - STATION NO. 06FD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	141B	136B	127B	121B	---	856A	636	350	317	283	348	242B	1
2	141B	133B	127B	121B	---	771	622	335	312	291	312	240B	2
3	140B	133B	127B	121B	---	742	630	316	308	298	308B	238B	3
4	140B	133B	126B	120B	---	732	630	297	320	298	304B	237B	4
5	140B	133B	126B	120B	---	690	654	282	318	298	302B	234B	5
6	140B	132B	126B	120B	---	672	682	277	325	298	299B	233B	6
7	139B	132B	126B	120B	---	746	703	272	331	299	297B	231B	7
8	139B	132B	126B	120B	---	833	726	260	329	307	293B	230B	8
9	139B	131B	126B	120B	---	876	742	249	322	308	291B	229B	9
10	138B	131B	126B	119B	---	865	759	241	318	314	289B	228B	10
11	138B	131B	126B	119B	---	833	765	243	309	323	285B	226B	11
12	138B	130B	125B	119B	---	803	771	244	302	331	282B	225B	12
13	137B	130B	125B	119B	---	777	774	234	309	340	280B	223B	13
14	137B	130B	125B	119B	---	742	778	228	312	346	278B	222B	14
15	137B	130B	124B	119B	---	710	781	223	308	349	275B	221B	15
16	137B	130B	124B	119B	---	688	781	220	307	358	273B	220B	16
17	137B	130B	124B	118B	---	673	768	242	307	358	271B	219B	17
18	136B	129B	123B	118B	---	662	760	331	302	345	268B	218B	18
19	136B	129B	123B	118B	---	613	751	363	298	358	265B	217B	19
20	136B	129B	123B	118B	---	588	741	363	299	360	263B	215B	20
21	136B	129B	123B	118B	---	562	725	357	303	344	260B	213B	21
22	136B	129B	122B	118B	---	548	687	341	309	350	258B	212B	22
23	135B	129B	122B	118B	---	532	646	327	310	345	256B	210B	23
24	135B	128B	122B	118B	---	583	595	308A	308	339	254B	209B	24
25	135B	128B	122B	118B	---	643	558	257	307	338	253B	208B	25
26	135B	128B	121B	118B	---	661	519	255	306	339	251B	207B	26
27	135B	128B	121B	118B	---	668	490	260	296	335	250B	205B	27
28	134B	127B	121B	118B	---	685	461	268	289	335	248B	204B	28
29	134B		121B	118B	---	672	427	288	289	337	246B	203B	29
30	134B		121B	117B	---	651	397	303	289	335	245B	202B	30
31	134B		121B		---		362	311		335		200B	31
TOTAL	4 249	3 648	3 842	3 567	---	21 043	20 309	8 845	9 259	10 178	8 304	6 821	TOTAL
MEAN	137	130	124	119	---	701	655	285	309	328	277	220	MEAN
MAX	141	134	127	121	---	876	781	363	331	360	348	242	MAX
MIN	134	127	121	117	---	532	362	220	289	283	245	200	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 07 15 N
LONG 94 37 30 W
DRAINAGE AREA, 287 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1928

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	367 000	JUL	1 750 000
FEB	315 000	AUG	764 000
MAR	332 000	SEP	800 000
APR	308 000	OCT	879 000
MAY	---	NOV	717 000
JUN	1 820 000	DEC	589 000

CHURCHILL RIVER BELOW FIDLER LAKE - STATION NO. 06FB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	121B	116B	112B	108B	131B	239	291	130	144	141	221	145B	1
2	121B	115B	113B	108B	135B	243	319	121	142	136	209	144B	2
3	121B	114B	113B	108B	139B	247	352	111	140	136	203B	143B	3
4	121B	113B	114B	108B	141B	246	382	108	136	138	199B	143B	4
5	121B	113B	114B	108B	144B	247	413	105	136	142	196B	142B	5
6	121B	112B	114B	108B	147B	251	440	105	136	147	195B	141B	6
7	121B	111B	114B	109B	151B	261	464	104	134	155	190B	140B	7
8	121B	110B	114B	109B	154B	268	491	102	132	165	187B	139B	8
9	120B	109B	114B	109B	158B	270	510	103	129	179	184B	138B	9
10	120B	108B	114B	109B	161B	269	513	102	127	189	181B	138B	10
11	120B	108B	114B	109B	164E	269	509	100	128	201	179B	137B	11
12	120B	108B	114B	109B	167E	268	506	99.5	131	211	175B	136B	12
13	120B	107B	114B	109B	171E	267	502	97.3	131	219	174B	136B	13
14	120B	107B	114B	109B	173E	263	501	96.1	134	221	171B	135B	14
15	120B	107B	114B	109B	177E	259	500	98.9	135	225	169B	135B	15
16	120B	107B	114B	110B	181E	253	507	114	134	227	167B	134B	16
17	120B	107B	114B	110B	185E	250	506	115	135	225	165B	134B	17
18	120B	107B	113B	111B	188A	245	483	111	139	224	163B	133B	18
19	120B	107B	113B	112B	192E	238	452	109	147	226	161B	132B	19
20	120B	108B	113B	113B	195E	231	416	109	152	226	159B	132B	20
21	120B	108B	113B	114B	199E	225	378	109	152	226	158B	131B	21
22	120B	108B	113B	115B	202E	223	341	108	149	225	156B	131B	22
23	120B	108B	113B	116B	205E	213	307	110	147	225	155B	130B	23
24	120B	108B	113B	117B	207E	221	275	116	149	226	153B	130B	24
25	119B	109B	112B	118B	211E	231	249	128	146	225	152B	129B	25
26	119B	109B	112B	119B	214E	231	229	143	140	225	150B	129B	26
27	119B	110B	111B	121B	218E	233	195	152	141	224	150B	129B	27
28	119B	119B	111B	123B	222E	247	171	157	138	223	148B	128B	28
29	118B		110B	125B	226E	259	155	154	130	224	147B	127B	29
30	117B		110B	127B	230E	271	144	152	137	227	146B	127B	30
31	117B		109B		234A		136	149		226		127B	31
TOTAL	3 716	3 068	3 500	3 379	5 622	7 438	11 637	3 618.8	4 151	6 209	5 163	4 175	TOTAL
MEAN	120	109	113	113	181	248	375	117	138	200	172	135	MEAN
MAX	121	116	114	127	234	271	513	157	152	227	221	145	MAX
MIN	117	107	109	108	131	213	136	96.1	127	136	146	127	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 169
MAXIMUM DAILY, 513 ON JUL 10
MINIMUM DAILY, 96.1 ON AUG 14

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 15 00 N
LONG 96 47 46 W
DRAINAGE AREA, 289 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1928

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	321 000	JUL	1 010 000
FEB	265 000	AUG	313 000
MAR	302 000	SEP	359 000
APR	292 000	OCT	536 000
MAY	486 000	NOV	446 000
JUN	643 000	DEC	361 000

TOTAL DISCHARGE, 5 330 000 dam³

CHURCHILL RIVER DIVERSION AT SOUTH BAY - STATION NO. 06BC002

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	257.019	257.047	257.048	256.985	256.941	257.592	---	258.027	258.083	257.891	257.585	---	1
2	257.019	257.041	257.039	256.985	256.960	257.611	---	258.017	258.079	257.886	257.585	---	2
3	257.023	257.044	257.037	256.981	256.978	257.631	---	258.026	258.074	257.911	257.578	---	3
4	257.023	257.042	257.033	256.977	256.999	257.661	---	258.030	258.081	257.898	257.558	---	4
5	257.031	257.043	257.036	256.973	257.020	257.685	---	258.011	258.074	257.871	257.527	---	5
6	257.031	257.043	257.034	256.970	257.044	257.729	---	258.008	258.046	257.846	257.515	---	6
7	257.031	257.043	257.028	256.966	257.073	257.746	---	258.024	258.029	257.848	257.514	---	7
8	257.030	257.044	257.029	256.960	257.091	257.755	---	258.054	258.030	257.843	---	---	8
9	257.030	257.040	257.031	256.975	257.107	257.772	---	258.040	258.035	257.842	---	---	9
10	257.029	257.042	257.032	256.984	257.128	257.803	---	258.033	258.031	257.837	---	---	10
11	257.031	257.042	257.033	256.985	257.148	257.826	---	258.028	258.028	257.818	---	---	11
12	257.028	257.035	257.041	256.983	257.163	257.846	---	258.021	258.025	257.801	---	---	12
13	257.027	257.034	257.037	256.957	257.184	257.864	---	258.029	258.040	257.798	---	---	13
14	257.031	257.037	257.032	256.957	257.208	257.882	---	258.032	258.016	257.804	---	---	14
15	257.031	257.039	257.032	256.965	257.222	257.894	---	258.105	257.988	257.801	---	---	15
16	257.032	257.042	257.031	256.961	257.239	257.916	---	258.119	258.009	257.783	---	---	16
17	257.030	257.045	257.026	256.955	257.255	257.926	---	258.130	258.005	257.771	---	---	17
18	257.030	257.044	257.021	256.950	257.276	257.949	---	258.144	258.007	257.757	---	---	18
19	257.032	257.046	257.014	256.947	257.290	257.981	---	258.159	258.009	257.728	---	---	19
20	257.031	257.046	257.015	256.943	257.301	257.964	---	258.158	257.988	257.708	---	---	20
21	257.030	257.052	257.018	256.939	257.318	257.983	---	258.166	257.983	257.709	---	---	21
22	257.032	257.060	257.011	256.935	257.335	257.993	---	258.173	257.986	257.699	---	---	22
23	257.030	257.050	257.018	256.936	257.351	258.012	---	258.153	257.979	257.672	---	---	23
24	257.033	257.050	257.011	256.940	257.370	258.024	---	258.145	257.954	257.669	---	---	24
25	257.035	257.045	257.008	256.931	257.387	258.032	---	258.130	257.949	257.659	---	---	25
26	257.040	257.040	257.005	256.925	257.422	258.059	---	258.125	257.977	257.654	---	---	26
27	257.052	257.043	256.995	256.925	257.455	258.071	---	258.133	257.952	257.647	---	---	27
28	257.048	257.048	256.993	256.918	257.486	---	258.030	258.112	257.933	257.647	---	---	28
29	257.049		256.993	256.920	257.514	---	258.034	258.105	257.958	257.644	---	---	29
30	257.050		257.001	256.929	257.538	---	258.032	258.102	257.954	257.612	---	---	30
31	257.049		256.998		257.568		258.040	258.088		257.595		---	31
MEAN	257.033	257.044	257.022	256.953	257.238	---	---	258.084	258.010	257.763	---	---	MEAN
MAX	257.052	257.060	257.048	256.985	257.568	---	---	258.173	258.083	257.911	---	---	MAX
MIN	257.019	257.034	256.993	256.918	256.941	---	---	258.008	257.933	257.595	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 39 15 N
LONG 99 03 06 W

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO CHURCHILL RIVER DATUM (MANITOBA HYDRO)

CLEARWATER LAKE AT GUY HILL - STATION NO. 05KK009

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	260.019	260.037	260.042	260.058	260.065	260.116	260.125	---	260.031	259.937	259.917	259.880	1
2	260.021	260.034	260.041	260.061	260.059	260.115	260.125	---	260.029	259.937	259.920	259.885	2
3	260.021	260.035	260.041	260.058	260.053	260.116	260.127	---	260.027	259.939	259.915	259.899	3
4	260.024	260.034	260.040	260.058	260.056	260.120	260.126	---	260.029	259.953	259.908	259.900	4
5	260.023	260.034	260.040	260.057	260.058	260.121	260.129	---	260.021	259.946	259.898	259.906	5
6	260.025	260.033	260.039	260.057	260.063	260.124	260.133	---	260.014	259.942	259.900	259.907	6
7	260.026	260.032	260.038	260.056	260.068	260.130	260.131	---	260.010	259.940	259.903	259.907	7
8	260.027	260.033	260.039	260.058	260.071	260.120	260.126	---	260.011	259.939	259.897	259.909	8
9	260.027	260.032	260.040	260.057	260.071	260.122	260.126	---	260.013	259.941	259.891	259.911	9
10	260.025	260.032	260.040	260.058	260.074	260.124	260.124	---	260.012	259.941	259.888	259.911	10
11	260.026	260.030	260.043	260.058	260.075	260.122	260.127	---	260.007	259.934	259.905	259.910	11
12	260.030	260.030	260.046	260.054	260.078	260.121	260.126	260.074A	260.006	259.935	259.888	259.913	12
13	260.031	260.030	260.053	260.057	260.080	260.126	260.120	260.077	260.004	259.933	259.885	259.912	13
14	260.031	260.034	260.056	260.052	260.079	260.126	260.117	260.080	259.990	259.936	259.880	259.913	14
15	260.030	260.035	260.058	260.049	260.084	260.125	260.122	260.080A	259.978	259.937	259.880	259.913	15
16	260.029	260.037	260.061	260.048	260.088	260.127	260.124	---	259.981	259.932	259.883	259.913	16
17	260.030	260.036	260.061	260.048	260.091	260.124	260.133	---	259.976	259.948	259.880	259.912	17
18	260.032	260.038	260.059	260.049	260.096	260.125	260.121	---	259.982	259.947	259.882	259.910	18
19	260.035	260.042	260.059	260.050	260.099	260.131	260.118A	---	259.970	259.940	259.888	259.913	19
20	260.037	260.042	260.058	260.047	260.101	260.132	---	---	259.963	259.933	259.888	259.914	20
21	260.034	260.042	260.057	260.050	260.102	260.133	---	---	259.962	259.930	259.877	259.912	21
22	260.033	260.040	260.058	260.046	260.102	260.129	---	---	259.963	259.931	259.879	259.915	22
23	260.033	260.042	260.058	260.052	260.101	260.141	---	---	259.961	259.930	259.878	259.919	23
24	260.034	260.041	260.058	260.049	260.101	260.145	---	---	259.952	259.928	259.878	259.918	24
25	260.034	260.042	260.057	260.051	260.103	260.139	---	---	259.949	259.928	259.880	259.921	25
26	260.039	260.042	260.056	260.051	260.105	260.140	260.106A	260.030A	259.954	259.929	259.883	259.923	26
27	260.036	260.044	260.058	260.052	260.112	260.138	260.107	260.022	259.942	259.928	259.884	259.924	27
28	260.036	260.044	260.053	260.056	260.119	260.133	260.112	260.016	259.945	259.931	259.882	259.924	28
29	260.036		260.058	260.060	260.124	260.130	260.116	260.016	259.958	259.928	259.881	259.924	29
30	260.038		260.057	260.061	260.120	260.128	260.112	260.010	259.949	259.918	259.880	259.927	30
31	260.037		260.056		260.117		260.114A	260.026		259.916		259.926	31
MEAN	260.030	260.037	260.051	260.054	260.088	260.127	---	---	259.986	259.935	259.890	259.912	MEAN
MAX	260.039	260.044	260.061	260.061	260.124	260.145	---	---	260.031	259.953	259.920	259.927	MAX
MIN	260.019	260.030	260.038	260.047	260.053	260.115	---	---	259.942	259.916	259.877	259.880	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 260.145 ON JUN 24
MINIMUM DAILY, 259.877 ON NOV 21
MAXIMUM INSTANTANEOUS,
260.158 AT 18:30 CST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 58 55 N
LONG 101 05 00 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

COCHRANE RIVER NEAR BROCHET - STATION NO. 06DA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	92.0B	87.6B	83.6B	79.7B	104B	198	214	170	152	149	145	124B	1
2	91.7B	87.4B	83.5B	79.6B	112B	198	213	169	150	150	144	123B	2
3	91.5B	87.3B	83.4B	79.5B	122B	200	209	167	149	151	146	122B	3
4	91.4B	87.2B	83.3B	79.4B	128	201	209	165	150	149	147	122B	4
5	91.3B	87.0B	83.3B	79.3B	137	202	208	165	150	148	132	121B	5
6	91.0B	86.9B	83.0B	79.2B	146	204	204	165	148	148	117	120B	6
7	90.9B	86.7B	82.8B	79.1B	154	206	202	165	150	148	108	120B	7
8	90.8B	86.6B	82.7B	79.0B	160	208	200	164	150	148	110	119B	8
9	90.6B	86.5B	82.7B	78.9B	166	210	197	161	152	149	114	119B	9
10	90.4B	86.4B	82.6B	78.7B	171	212	195	161	151	148	119	118B	10
11	90.3B	86.3B	82.5B	78.6B	177	215	194	160	151	148	125	118B	11
12	90.2B	86.1B	82.3B	78.4B	181	216	193	160	152	148	138	118B	12
13	90.1B	85.9B	82.1B	78.4B	184	219	190	162	152	149	142B	117B	13
14	90.0B	85.7B	82.1B	78.3B	186	219	191	162	151	149	142B	117B	14
15	89.9B	85.6B	82.0B	78.3B	187	222	189	161	153	149	141B	117B	15
16	89.7B	85.5B	81.9B	78.2B	184	221	189	162	153	148	140B	116B	16
17	89.6B	85.5B	81.8B	78.1B	184	219	187	161	152	148	139B	116B	17
18	89.5B	85.4B	81.6B	78.0B	184	220	185	162	153	146	137B	116B	18
19	89.3B	85.0B	81.5B	78.1B	180	221	183	161	151	148	136B	115B	19
20	89.2B	84.9B	81.3B	78.2B	181	220	182	160	153	149	135B	115B	20
21	89.1B	84.8B	81.2B	78.4B	180	220	182	161	151	149	133B	115B	21
22	88.9B	84.7B	81.0B	78.4B	182	218	180	159	151	147	132B	115B	22
23	88.8B	84.6B	80.9B	78.7B	183	219	180	158	151	147	131B	114B	23
24	88.6B	84.5B	80.8B	79.3B	183	218	180	156	149	147	130B	114B	24
25	88.4B	84.3B	80.7B	79.9B	185	218	178	155	151	147	129B	114B	25
26	88.3B	84.2B	80.6B	80.7B	188	218	175	156	153	147	128B	113B	26
27	88.3B	84.0B	80.4B	81.9B	188	220	175	155	151	147	127B	113B	27
28	88.2B	83.8B	80.2B	83.7B	192	217	174	154	151	147	126B	113B	28
29	88.0B		80.2B	88.4B	193	217	172	153	151	147	125B	113B	29
30	87.9B		80.1B	92.9B	195	215	173	152	150	146	124B	112B	30
31	87.7B		80.0B		195		171	152		146		112B	31
TOTAL	2 781.6	2 400.4	2 536.1	2 397.3	5 292	6 411	5 874	4 974	4 532	4 587	3 902	3 621	TOTAL
MEAN	89.7	85.7	81.8	79.9	171	214	189	160	151	148	131	117	MEAN
MAX	92.0	87.6	83.6	92.9	195	222	214	170	153	151	147	124	MAX
MIN	87.7	83.8	80.0	78.0	104	198	171	152	148	146	108	112	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 135
MAXIMUM DAILY, 222 ON JUN 15
MINIMUM DAILY, 78.0B ON APR 18
MAXIMUM INSTANTANEOUS,
222 AT 19:25 CST ON JUN 15

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 00 00 N
LONG 101 23 45 W
DRAINAGE AREA, 25 000 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	240 000	JUL	508 000
FEB	207 000	AUG	430 000
MAR	219 000	SEP	392 000
APR	207 000	OCT	396 000
MAY	457 000	NOV	341 000
JUN	554 000	DEC	313 000

TOTAL DISCHARGE, 4 260 000 dam³

CONJURING CREEK NEAR RUSSELL - STATION NO. 05ME005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.088B	0.009	0.001	0	0	0	0	---	---	1
2	---	---	0 B	0.116B	0.006	0.001	0	0	0	0	---	---	2
3	---	---	0 B	0.145B	0.004	0.001	0	0	0	0	---	---	3
4	---	---	0 B	0.173B	0.012	0	0	0	0	0	---	---	4
5	---	---	0 B	0.201B	0.012	0	0	0	0	0	---	---	5
6	---	---	0 B	0.230B	0.006	0	0	0	0	0	---	---	6
7	---	---	0 B	0.258B	0.004	0	0	0	0	0	---	---	7
8	---	---	0 B	0.287B	0.003	0	0	0	0	0	---	---	8
9	---	---	0 B	0.315B	0.004	0	0	0	0	0	---	---	9
10	---	---	0 B	0.343B	0.004	0	0	0	0	0	---	---	10
11	---	---	0 B	0.372B	0.003	0	0	0	0	0	---	---	11
12	---	---	0 B	0.400B	0.002	0	0	0	0	0	---	---	12
13	---	---	0 B	0.551B	0.001	0	0	0	0	0	---	---	13
14	---	---	0 B	0.701B	0.001	0	0	0	0	0	---	---	14
15	---	---	0 B	0.852B	0.001	0	0	0	0	0	---	---	15
16	---	---	0 B	0.974	0.001	0	0	0	0	0	---	---	16
17	---	---	0 B	0.764	0.001	0	0	0	0	0	---	---	17
18	---	---	0 B	0.568	0.001	0	0	0	0	0	---	---	18
19	---	---	0 B	0.444	0.001	0	0	0.001	0	0	---	---	19
20	---	---	0 B	0.321	0.001	0	0	0	0	0	---	---	20
21	---	---	0 B	0.221	0.001	0	0	0	0	0	---	---	21
22	---	---	0 B	0.150	0.001	0	0	0	0	0	---	---	22
23	---	---	0 B	0.111	0.001	0	0	0	0	0	---	---	23
24	---	---	0 B	0.078	0.001	0	0	0	0	0	---	---	24
25	---	---	0 B	0.067	0.001	0	0	0	0	0	---	---	25
26	---	---	0.001B	0.048	0.001	0	0	0	0	0	---	---	26
27	---	---	0.001B	0.037	0.001	0	0	0	0	0	---	---	27
28	---	---	0.002B	0.028	0.001	0	0	0	0	0	---	---	28
29	---		0.003B	0.022	0.001	0	0	0	0	0	---	---	29
30	---		0.031B	0.016	0.001	0	0	0	0	0	---	---	30
31	---		0.060B		0.001		0	0		0		---	31
TOTAL	---	---	0.098	8.881	0.088	0.003	0	0.001	0	0	---	---	TOTAL
MEAN	---	---	0.003	0.296	0.003	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.060	0.974	0.012	0.001	0	0.001	0	0	---	---	MAX
MIN	---	---	0	0.016	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.037
MAXIMUM DAILY, 0.974 ON APR 16
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.20 AT 07:51 CST ON APR 16

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 47 30 N
LONG 101 17 55 W
DRAINAGE AREA, 88.1 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0.09
MAR	8.47	SEP	0
APR	767	OCT	0
MAY	7.60	NOV	---
JUN	0.26	DEC	---

TOTAL DISCHARGE, 783 dam³

COOKS CREEK AT COOKS CREEK - STATION NO. 05OJ006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	4.94 B	0.262	0.038	0.081	0.018	0	0	---	---	1
2	---	---	0 B	3.44 B	0.261	0.035	0.083	0.032	0	0	---	---	2
3	---	---	0 B	2.49 B	0.221	0.223	0.203	0.037	0	0	---	---	3
4	---	---	0 B	1.71 B	0.183	0.244	0.209	0.028	0	0	---	---	4
5	---	---	0 B	1.04 B	0.179	0.111	0.242	0.010	0	0	---	---	5
6	---	---	0 B	0.562B	0.157	0.067	0.249	0	0	0	---	---	6
7	---	---	0 B	0.298B	0.139	0.076	0.255	0.009	0	0.030	---	---	7
8	---	---	0 B	0.271B	0.127	0.064	0.283	0.009	0	0.071	---	---	8
9	---	---	0 B	0.231B	0.105	0.170	0.282	0	0	0.090	---	---	9
10	---	---	0 B	0.197B	0.085	0.466	0.263	0	0	0.168	---	---	10
11	---	---	0 B	0.208B	0.062	1.44	0.235	0	0	0.253	---	---	11
12	---	---	0 B	0.746B	0.032	1.06	0.206	0	0	0.606	---	---	12
13	---	---	0 B	7.84 B	0.007	0.336	0.174	0	0	0.768	---	---	13
14	---	---	0 B	12.1 B	0.005	0.270	0.158	0	0	0.388	---	---	14
15	---	---	0.002B	11.9 B	0.007	0.260	0.123	0.001	0	0.271	---	---	15
16	---	---	0.009B	12,3 B	0.004	0.414	0.117	0.002	0	0.224	---	---	16
17	---	---	0.018B	9.02	0.008	0.331	0.142	0.011	0	0.194	---	---	17
18	---	---	0.027B	5.48	0.003	0.228	0.148	0.052	0	0.167	---	---	18
19	---	---	0.042B	4.38	0.002	0.210	0.103	0.022	0	0.158	---	---	19
20	---	---	0.057B	3.35	0.003	0.195	0.094	0.018	0	0.144	---	---	20
21	---	---	0.076B	2.58	0.010	0.186	0.089	0.035	0	0.128	---	---	21
22	---	---	0.086B	2.10	0.014	0.171	0.066	0.011	0	0.134	---	---	22
23	---	---	0.101B	1.75	0.017	0.158	0.047	0	0	0.115	---	---	23
24	---	---	0.115B	1.57	0.019	0.153	0.043	0	0	0.114	---	---	24
25	---	---	0.130B	1.30	0.021	0.138	0.029	0	0	0.103	---	---	25
26	---	---	0.144B	0.900	0.021	0.125	0.048	0	0	0.100	---	---	26
27	---	---	0.159B	0.570	0.022	0.122	0.035	0.009	0	0.100	---	---	27
28	---	---	0.174B	0.436	0.023	0.117	0.030	0.016	0	0.091	---	---	28
29	---		0.276B	0.321	0.024	0.103	0.045	0.001	0	0.087	---	---	29
30	---		1.06 B	0.287	0.027	0.089	0.054	0	0	0.085	---	---	30
31	---		9.12 B		0.031		0.038	0		0.080		---	31
TOTAL	---	---	11.596	94.317	2.081	7.596	4.169	0.321	0	4.669	---	---	TOTAL
MEAN	---	---	0.374	3.14	0.067	0.253	0.134	0.010	0	0.151	---	---	MEAN
MAX	---	---	9.12	12.3	0.262	1.44	0.283	0.052	0	0.768	---	---	MAX
MIN	---	---	0	0.197	0.002	0.034	0.029	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.509
MAXIMUM DAILY, 12.3B ON APR 16
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
13.6 AT 09:31 CST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 12 N
LONG 96 46 23 W
DRAINAGE AREA, 513 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	360
FEB	---	AUG	27.7
MAR	1 000	SEP	0
APR	8 150	OCT	403
MAY	180	NOV	---
JUN	656	DEC	---

TOTAL DISCHARGE, 10 800 dam³

COOKS CREEK NEAR EAST SELKIRK - STATION NO. 05OJ002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	14.2	0.209	0	0.004	0.005	0	0	---	---	1
2	---	---	0 B	13.2	0.112	0	0.007	0.001	0	0	---	---	2
3	---	---	0 B	6.70 A	0.135	0	0.068	0	0	0	---	---	3
4	---	---	0 B	6.74	0.211	0	0.025	0	0	0	---	---	4
5	---	---	0 B	4.84	0.119	0	0.557	0	0	0	---	---	5
6	---	---	0 B	3.50	0.077	0	0.595	0	0	0	---	---	6
7	---	---	0 B	2.89	0.044	0.062	0.549	0	0	0	---	---	7
8	---	---	0 B	3.01	0.015	0.062	0.498	0	0	0	---	---	8
9	---	---	0 B	3.20	0.001	0.016	0.537	0	0	0	---	---	9
10	---	---	0 B	3.72	0	0.017	0.579	0	0	0.001	---	---	10
11	---	---	0 B	4.50	0	0.811	0.533	0	0	0.281	---	---	11
12	---	---	0 B	7.09	0.016	1.29	0.453	0	0	0.787	---	---	12
13	---	---	0 B	13.7	0.016	1.21	0.362	0	0	1.24	---	---	13
14	---	---	0.006B	21.2	0.006	0.909	0.282	0	0	1.41	---	---	14
15	---	---	0.210B	23.8	0.011	0.717	0.213	0	0	1.02	---	---	15
16	---	---	0.322B	19.0	0.001	0.651	0.172	0	0	0.728	---	---	16
17	---	---	0.237B	15.4	0	0.756	0.322	0	0	0.586	---	---	17
18	---	---	0.184B	10.3	0	0.850	0.219	0	0	0.440	---	---	18
19	---	---	0.161B	7.47	0.031	0.555	0.131	0	0	0.286	---	---	19
20	---	---	0.138B	5.56	0.041	0.474	0.101	0	0	0.206	---	---	20
21	---	---	0.115B	3.98	0.039	0.372	0.075	0	0	0.182	---	---	21
22	---	---	0.098B	2.82	0.018	0.314	0.036	0	0	0.138	---	---	22
23	---	---	0.081B	2.07	0.022	0.271	0.022	0	0	0.088	---	---	23
24	---	---	0.071B	1.51	0.025	0.216	0.003	0	0	0.064	---	---	24
25	---	---	0.245B	1.13	0.007	0.151	0.001	0	0	0.047	---	---	25
26	---	---	0.351B	0.857	0	0.102	0	0	0	0.019	---	---	26
27	---	---	0.500B	0.606	0	0.100	0	0	0	0.012	---	---	27
28	---	---	0.763B	0.471	0	0.055	0.001	0	0	0.004	---	---	28
29	---		1.44	0.353	0	0.028	0.041	0	0	0	---	---	29
30	---		4.63	0.297	0	0.011	0.053	0	0	0	---	---	30
31	---		10.4		0		0.029	0		0		---	31
TOTAL	---	---	19.952	204.114	1.152	10.000	6.468	0.006	0	7.539	---	---	TOTAL
MEAN	---	---	0.644	6.80	0.037	0.333	0.209	0	0	0.243	---	---	MEAN
MAX	---	---	10.4	23.8	0.211	1.29	0.595	0.005	0	1.41	---	---	MAX
MIN	---	---	0	0.297	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.02
MAXIMUM DAILY, 23.8 ON APR 15
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
25.2 AT 01:26 CST ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 25 N
LONG 96 49 48 W
DRAINAGE AREA, 697 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	559
FEB	---	AUG	0.52
MAR	1 720	SEP	0
APR	17 600	OCT	851
MAY	99.5	NOV	---
JUN	864	DEC	---

TOTAL DISCHARGE, 21 500 dam³

COOKS CREEK NEAR GLASS - STATION NO. 05OJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.61 B	0.186	0.076E	0.207E	0.060	0.002	0.002	---	---	1
2	---	---	0 B	1.17 B	0.175	0.081E	0.200E	0.051	0.002	0.003	---	---	2
3	---	---	0 B	0.822B	0.162	0.068E	0.195E	0.042	0.001	0.003	---	---	3
4	---	---	0 B	0.642B	0.160	0.056E	0.187E	0.042	0.001	0.002	---	---	4
5	---	---	0 B	0.486B	0.150	0.045E	0.181E	0.039	0.001	0.002	---	---	5
6	---	---	0 B	0.368B	0.139	0.034E	0.293E	0.033	0.001	0.002	---	---	6
7	---	---	0 B	0.315B	0.130	0.025A	0.438E	0.027	0.001	0.009	---	---	7
8	---	---	0 B	0.273B	0.121	0.155E	0.618A	0.023	0.001	0.007	---	---	8
9	---	---	0 B	0.315B	0.111	0.334E	0.430A	0.019	0	0.006	---	---	9
10	---	---	0 B	0.446B	0.103	0.591E	0.350E	0.016	0	0.022	---	---	10
11	---	---	0 B	1.01 B	0.092	0.888A	0.278E	0.014	0	0.153	---	---	11
12	---	---	0 B	2.75 B	0.092	0.750A	0.217E	0.013	0	0.443	---	---	12
13	---	---	0 B	4.03 B	0.107	0.673E	0.163A	0.012	0	0.579	---	---	13
14	---	---	0 B	3.96 B	0.120A	0.762A	0.121	0.011	0	0.505	---	---	14
15	---	---	0 B	2.92	0.134E	0.807A	0.091	0.011	0	0.343	---	---	15
16	---	---	0 B	3.60	0.150E	0.771A	0.068	0.009	0	0.222	---	---	16
17	---	---	0 B	1.76	0.165E	0.678A	0.097	0.007	0	0.170	---	---	17
18	---	---	0 B	1.31	0.159E	0.566A	0.058	0.009	0	0.132	---	---	18
19	---	---	0 B	1.13	0.152E	0.478A	0.028	0.008	0	0.105	---	---	19
20	---	---	0 B	0.953	0.146E	0.420A	0.016	0.007	0	0.096	---	---	20
21	---	---	0 B	0.820	0.139E	0.385A	0.011	0.006	0	0.098	---	---	21
22	---	---	0 B	0.716	0.133E	0.341A	0.009	0.006	0.001	0.088	---	---	22
23	---	---	0 B	0.632	0.127E	0.296A	0.011	0.006	0.001	0.072	---	---	23
24	---	---	0 B	0.561	0.121E	0.252E	0.012	0.005	0.001	0.056	---	---	24
25	---	---	0 B	0.494	0.115E	0.246E	0.013	0.004	0.001	0.046	---	---	25
26	---	---	0 B	0.398	0.109E	0.240E	0.016	0.004	0.001	0.039	---	---	26
27	---	---	0 B	0.325	0.102E	0.233E	0.023	0.003	0.002	0.032	---	---	27
28	---	---	0.164B	0.261	0.096E	0.227E	0.029	0.003	0.006	0.028	---	---	28
29	---		0.596B	0.225	0.090E	0.220E	0.067	0.002	0.006	0.026	---	---	29
30	---		1.45 B	0.197	0.083E	0.213E	0.099	0.002	0.003	0.022	---	---	30
31	---		2.32 B		0.077E		0.082	0.002		0.020		---	31
TOTAL	---	---	4.530	35.499	3.946	10.911	4.608	0.496	0.032	3.333	---	---	TOTAL
MEAN	---	---	0.146	1.18	0.127	0.364	0.149	0.016	0.001	0.108	---	---	MEAN
MAX	---	---	2.32	4.03	0.186	0.888	0.618	0.060	0.006	0.579	---	---	MAX
MIN	---	---	0	0.197	0.077	0.025	0.009	0.002	0	0.002	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.259
MAXIMUM DAILY, 4.03B ON APR 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.30 AT 18:57 CST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 10 N
LONG 96 44 26 W
DRAINAGE AREA, 183 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	398
FEB	---	AUG	42.9
MAR	391	SEP	2.76
APR	3 070	OCT	288
MAY	341	NOV	---
JUN	943	DEC	---

TOTAL DISCHARGE, 5 480 dam³

CORMORANT LAKE AT CORMORANT - STATION NO. 05KK002

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	256.173	256.172	---	---	256.332	256.311	256.205	256.123	256.027	---	---	1
2	---	256.161	256.176	---	---	256.333	256.289	256.182	256.114	256.021	---	---	2
3	---	256.163	256.176	---	---	256.340	256.294	256.206	256.116	256.017	---	---	3
4	---	256.166	256.175	---	---	256.342	256.309	256.212	256.108	256.016	---	---	4
5	---	256.166	256.176	---	---	256.343	256.302	256.210	256.105	256.026	---	---	5
6	---	256.173	256.178	---	---	256.352	256.300	256.209	256.099	256.016	---	---	6
7	---	256.174	256.179	---	---	256.347	256.315	256.224	256.100	256.013	---	---	7
8	---	256.175	256.178	---	---	256.338	256.302	256.212	256.099	256.017	---	---	8
9	---	256.177	256.177	---	---	256.351	256.301	256.203	256.095	256.015	---	---	9
10	---	256.181	256.183	---	---	256.346	256.301	256.197	256.092	256.007	---	---	10
11	---	256.177	256.178	---	---	256.348	256.301	256.186	256.098	256.007	---	---	11
12	---	256.177	256.180	---	---	256.346	256.291	256.187	256.090	256.011	---	255.905	12
13	---	256.182	256.178	---	---	256.349	256.280	256.198	256.081	256.008	---	255.906	13
14	---	256.183	256.176	256.125A	---	256.343	256.278	256.193	256.080	256.004	---	255.909	14
15	---	256.178	256.179A	---	---	256.343	256.279	256.190	256.074	255.988	---	255.920	15
16	---	256.175	---	---	---	256.332	256.284	256.185	256.070	255.992	---	255.923	16
17	---	256.174	---	---	---	256.337	256.267	256.180	256.069	255.991	---	255.937	17
18	---	256.173	---	---	256.290A	256.338	256.268	256.182	256.047	256.007	---	255.912	18
19	256.164A	256.173	---	---	256.292	256.337	256.268	256.171	256.057	255.997	---	255.928	19
20	256.156	256.177	---	---	256.297	256.336	256.283	256.168	256.059	256.000	---	255.942	20
21	256.155	256.175	---	---	256.305	256.333	256.266	256.162	256.053	255.999	---	255.946	21
22	256.161	256.174	---	---	256.307	256.323	256.249	256.151	256.053	255.986	---	255.944	22
23	256.156	256.174	---	---	256.310	256.333	256.261	256.149	256.047	255.993	---	255.950	23
24	256.160	256.176	---	---	256.316	256.337	256.261	256.143	256.042	255.995	---	255.949	24
25	256.157	256.177	---	---	256.317	256.339	256.246	256.134	256.040	255.990	255.965A	255.956	25
26	256.166	256.175	---	---	256.322	256.337	256.248	256.121	256.025	255.992	255.963	255.960	26
27	256.176	256.173	---	---	256.319	256.327	256.252	256.113	256.017	255.994A	255.965	255.963	27
28	256.174	256.178	---	---	256.325	256.316	256.254	256.103	255.990	---	255.963	255.958	28
29	256.175		---	---	256.316	256.319	256.252	256.113	256.018	---	---	255.955	29
30	256.166		---	---	256.323	256.318	256.249	256.104	256.021	---	---	255.960	30
31	256.172		---		256.327		256.226	256.104		---		255.963	31
MEAN	---	256.174	---	---	---	256.337	256.277	256.171	256.069	---	---	---	MEAN
MAX	---	256.183	---	---	---	256.352	256.315	256.224	256.123	---	---	---	MAX
MIN	---	256.161	---	---	---	256.316	256.226	256.103	255.990	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 256.352 ON JUN 6

MAXIMUM INSTANTANEOUS,
256.409 AT 08:09 CST ON JUN 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 13 00 N
LONG 100 36 00 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CROSS LAKE AT CROSS LAKE - STATION NO. 05UD001

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	207.046	206.688	206.717	206.138	206.111	206.427	206.724	207.418	207.723	207.519	1
2	---	---	207.034	206.680	206.728	206.109	206.130	206.425	206.741	207.419	207.746	207.516	2
3	---	---	207.023	206.669	206.738	206.087	206.155	206.449	206.759	207.443	207.743	207.516	3
4	---	---	207.013	206.661	206.747	206.106	206.151	206.458	206.757	207.498	207.749	207.519	4
5	---	---	207.004	206.657	206.752	206.139	206.141	206.446	206.780	207.474	207.745	207.524	5
6	---	---	206.996	206.693	206.750	206.134	206.170	206.440	206.795	207.436	207.740	207.526	6
7	---	---	206.996	206.630	206.757	206.153	206.168	206.444	206.825	207.455	207.739	207.522	7
8	---	---	206.988	206.623	206.747	206.167	206.141	206.468	206.854	207.446	207.744	207.508	8
9	---	---	206.984	206.622	206.721	206.139	206.150	206.455	206.912	207.440	207.745	207.482	9
10	---	---	206.982	206.618	206.695	206.131	206.150	206.417	206.981	207.456	207.735	207.467	10
11	---	207.335A	206.977	206.611	206.668	206.140	206.170	206.404	207.052	207.467	207.750	207.443	11
12	---	207.332	206.970	206.608	206.641	206.137	206.178	206.418	207.067	207.431	207.763	207.433	12
13	---	207.327	206.961	206.606	206.625	206.140	206.181	206.416	207.102	207.457	207.743	207.431	13
14	---	207.328	206.953	206.603	206.624	206.137	206.163	206.446	207.170	207.500	207.740	207.432	14
15	207.491A	207.330	206.944	206.606	206.614	206.123	206.160	206.480	207.158	207.541	207.733	207.440	15
16	---	207.325	206.931	206.609	206.597	206.132	206.167	206.483	207.201	207.563	207.732	207.451	16
17	---	207.316	206.919	206.603	206.554	206.131	206.186	206.491	207.252	207.617	207.730	207.473	17
18	---	207.292	206.911	206.602	206.545	206.101	206.181	206.496	207.273	207.652	207.724	207.487	18
19	---	207.269	206.894	206.601	206.531	206.109	206.161	206.522	207.300	207.610	207.706	207.487	19
20	---	207.246	206.877	206.601	206.463A	206.128	206.155	206.547	207.300	207.601	207.695	207.488	20
21	---	207.216	206.864	206.602	206.409A	206.132	206.211	206.551	207.320	207.620	207.684	207.489	21
22	---	207.194	206.856	206.610	206.390	206.123	206.271	206.553	207.366	207.654	207.674	207.494	22
23	---	207.163	206.836	206.616	206.368	206.120	206.309	206.568	207.420	207.677	207.675	207.503	23
24	---	207.139	206.819	206.632	206.337	206.131	206.324	206.590	207.424	207.665	207.666	207.510	24
25	---	207.124	206.803	206.639	206.293	206.125	206.353	206.599	207.404	207.682	207.658	207.514	25
26	---	207.102	206.790	206.649	206.300	206.095	206.381	206.598	207.435	207.692	207.631	207.520	26
27	---	207.084	206.776	206.657	206.288	206.105	206.386	206.605	207.467	207.708	207.599	207.522	27
28	---	207.069	206.757	206.669	206.295	206.118	206.399	206.620	207.495	207.714	207.570	207.525	28
29	---		206.737	206.684	206.254	206.119	206.409	206.634	207.550	207.732	207.541	207.527	29
30	---		206.723	206.702	206.239	206.116	206.412	206.649	207.460	207.705	207.527	207.535	30
31	---		206.705		206.189		206.427	206.696		207.677		207.543	31
MEAN	---	---	206.905	206.633	206.535	206.126	206.227	206.509	207.146	207.563	207.698	207.495	MEAN
MAX	---	---	207.046	206.702	206.757	206.167	206.427	206.696	207.550	207.732	207.763	207.543	MAX
MIN	---	---	206.705	206.601	206.189	206.087	206.111	206.404	206.724	207.418	207.527	207.431	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1982

MAXIMUM DAILY, 207.763 ON NOV 12
MINIMUM DAILY, 206.087 ON JUN 3
MAXIMUM INSTANTANEOUS,
207.790 AT 19:18 CST ON NOV 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 37 25 N
LONG 97 47 07 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CRYSTAL CREEK NEAR CRYSTAL CITY - STATION NO. 05OB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.42 B	0.004	0.003	0.205	0.002	0.001	0	---	---	1
2	---	---	0 B	2.01 B	0.004	0.003	0.117	0.002	0.001	0	---	---	2
3	---	---	0 B	2.24 B	0.010	0.002	0.074	0.001	0	0	---	---	3
4	---	---	0 B	1.39 B	0.005	0.001	0.049	0.001	0	0	---	---	4
5	---	---	0 B	0.959B	0.004	0.001	0.123	0.001	0	0	---	---	5
6	---	---	0 B	0.823B	0.003	0.005	0.124	0.001	0	0.001	---	---	6
7	---	---	0 B	0.750B	0.003	1.47	0.071	0.001	0	0.002	---	---	7
8	---	---	0 B	0.885B	0.003	1.68	0.108	0.001	0	0.002	---	---	8
9	---	---	0 B	1.29 B	0.006	1.83	0.060	0.001	0	0.002	---	---	9
10	---	---	0 B	1.48 B	0.010	1.61	0.032	0.001	0	0.003	---	---	10
11	---	---	0 B	1.80	0.011	1.38	0.023	0.001	0	0.003	---	---	11
12	---	---	0 B	3.21	0.010	1.20	0.019	0.001	0	0.002	---	---	12
13	---	---	0 B	1.43	0.010	1.07	0.018	0.001	0	0.002	---	---	13
14	---	---	0 B	1.02	0.011	1.05	0.015	0.001	0	0.002	---	---	14
15	---	---	0 B	0.718	0.020	1.01	0.015	0.001	0	0.002	---	---	15
16	---	---	0 B	0.581	0.035	0.909	0.014	0.001	0	0.002	---	---	16
17	---	---	0 B	0.394	0.047	0.877	0.014	0.001	0	0.003	---	---	17
18	---	---	0 B	0.255	0.046	0.835	0.012	0.001	0	0.003	---	---	18
19	---	---	0 B	0.181	0.036	0.765	0.012	0.001	0	0.003	---	---	19
20	---	---	0 B	0.110	0.029	0.731	0.011	0.001	0	0.003	---	---	20
21	---	---	0 B	0.052	0.019	0.684	0.007	0.001	0	0.003	---	---	21
22	---	---	0.004B	0.027	0.015	0.595	0.004	0.002	0	0.003	---	---	22
23	---	---	0.011B	0.017	0.013	0.566	0.002	0.001	0	0.004	---	---	23
24	---	---	0.010B	0.014	0.012	0.546	0.005	0.001	0	0.004	---	---	24
25	---	---	0.003B	0.012	0.011	0.548	0.006	0.001	0	0.004	---	---	25
26	---	---	0.002B	0.012	0.010	0.452	0.008	0.001	0	0.005	---	---	26
27	---	---	0.002B	0.010	0.006	0.342	0.003	0.001	0	0.005	---	---	27
28	---	---	0.005B	0.005	0.004	0.301	0.003	0.001	0	0.010	---	---	28
29	---		0.193B	0.005	0.005	0.304	0.002	0.001	0	0.011	---	---	29
30	---		3.43 B	0.004	0.004	0.264	0.003	0.001	0	0.012	---	---	30
31	---		4.83 B		0.004		0.002	0.001		0.016		---	31
TOTAL	---	---	8.490	25.104	0.410	20.994	1.157	0.034	0.002	0.112	---	---	TOTAL
MEAN	---	---	0.274	0.837	0.013	0.700	0.037	0.001	0	0.004	---	---	MEAN
MAX	---	---	4.83	3.42	0.047	1.83	0.205	0.002	0.001	0.016	---	---	MAX
MIN	---	---	0	0.004	0.003	0.001	0.002	0.001	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.230
MAXIMUM DAILY, 4.83B ON MAR 31
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 28 N
LONG 98 56 28 W
DRAINAGE AREA, 153 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	100
FEB	---	AUG	2.94
MAR	734	SEP	0.17
APR	2 170	OCT	9.68
MAY	35.4	NOV	---
JUN	1 810	DEC	---

TOTAL DISCHARGE, 4 860 dam³

CYPRESS CREEK NEAR CLEARWATER - STATION NO. 05OB010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.65 B	0.086	0.023	0.203	0.001	0.001	0.001	---	---	1
2	---	---	0 B	6.62 B	0.095	0.022	0.214	0.001	0.001	0.001	---	---	2
3	---	---	0 B	5.30 B	0.118	0.015	0.138	0.001	0.001	0.001	---	---	3
4	---	---	0 B	4.08 B	0.169	0.011	0.077	0.001	0.001	0.001	---	---	4
5	---	---	0 B	3.63 B	0.138	0.018	0.085	0.001	0.001	0.001	---	---	5
6	---	---	0 B	3.30 B	0.100	56.4	0.063	0.001	0.001	0.001	---	---	6
7	---	---	0 B	3.07 B	0.091	42.2	0.049	0.001	0.001	0.002	---	---	7
8	---	---	0 B	3.02 B	0.083	19.1	0.042	0.001	0	0.003	---	---	8
9	---	---	0 B	3.07 B	0.101	15.3	0.045	0.001	0	0.003	---	---	9
10	---	---	0 B	5.41 B	0.137	12.5	0.038	0.001	0	0.004	---	---	10
11	---	---	0 B	8.62 B	0.158	10.5	0.030	0.001	0	0.004	---	---	11
12	---	---	0 B	12.4 B	0.118	8.95	0.029	0.001	0	0.004	---	---	12
13	---	---	0 B	14.6 B	0.132	7.82	0.031	0.002	0	0.004	---	---	13
14	---	---	0 B	11.2 B	0.114	7.14	0.024	0.002	0	0.004	---	---	14
15	---	---	0 B	8.55	0.096	6.43	0.016	0.002	0	0.004	---	---	15
16	---	---	0 B	6.46	0.109	5.90	0.014	0.002	0	0.004	---	---	16
17	---	---	0 B	4.57	0.126	5.21	0.012	0.002	0	0.008	---	---	17
18	---	---	0 B	3.19	0.154	4.70	0.008	0.001	0	0.004	---	---	18
19	---	---	0 B	2.09	0.135	4.28	0.004	0.001	0	0.004	---	---	19
20	---	---	0 B	1.07	0.113	3.82	0.004	0.001	0	0.004	---	---	20
21	---	---	0 B	0.686	0.098	3.35	0.003	0.001	0	0.004	---	---	21
22	---	---	0.001B	0.498	0.084	2.92	0.003	0.001	0	0.005	---	---	22
23	---	---	0.036B	0.393	0.065	2.48	0.003	0.001	0	0.006	---	---	23
24	---	---	0.045B	0.290	0.062	2.21	0.003	0.001	0	0.006	---	---	24
25	---	---	0.003B	0.199	0.055	1.64	0.003	0.001	0	0.006	---	---	25
26	---	---	0.001B	0.139	0.046	1.38	0.002	0.001	0	0.019	---	---	26
27	---	---	0.001B	0.108	0.038	1.09	0.002	0.001	0	0.013	---	---	27
28	---	---	0.003B	0.097	0.032	0.841	0.001	0.001	0.001	0.018	---	---	28
29	---		0.014B	0.094	0.036	0.944	0.001	0.001	0.001	0.030	---	---	29
30	---		1.83 B	0.076	0.027	0.324	0.001	0.001	0.001	0.031	---	---	30
31	---		2.83 B		0.022		0.001	0.001		0.033		---	31
TOTAL	---	---	4.764	115.480	2.916	227.518	1.149	0.036	0.010	0.229	---	---	TOTAL
MEAN	---	---	0.154	3.85	0.094	7.58	0.037	0.001	0	0.007	---	---	MEAN
MAX	---	---	2.83	14.6	0.169	56.4	0.214	0.002	0.001	0.033	---	---	MAX
MIN	---	---	0	0.076	0.022	0.011	0.001	0.001	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.44
MAXIMUM DAILY, 56.4 ON JUN 6
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 21 N
LONG 98 58 54 W
DRAINAGE AREA, 389 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	99.3
FEB	---	AUG	3.11
MAR	412	SEP	0.86
APR	9 980	OCT	19.8
MAY	252	NOV	---
JUN	19 700	DEC	---

TOTAL DISCHARGE, 30 500 dam³

CYPRESS CREEK NEAR SARLES - STATION NO. 05OB031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	2.27 B	0.028	0.015	0.010	0	0	0	0.019	0	1
2	0B	0B	0 B	3.11 B	0.026	0.013	0.008	0	0	0	0.018	0.011	2
3	0B	0B	0 B	2.89 B	0.034	0.010	0.007	0	0	0	0.015	0.010	3
4	0B	0B	0 B	1.50 B	0.028	0.009	0.006	0	0	0	0.012	0.011	4
5	0B	0B	0 B	0.680B	0.022	3.99	0.009	0	0	0	0.011	0.024	5
6	0B	0B	0 B	0.510B	0.016	21.7	0.012	0	0	0	0.010	0.193	6
7	0B	0B	0 B	0.453B	0.014	7.70	0.010	0	0	0	0.009	0.040	7
8	0B	0B	0 B	0.595B	0.011	3.51	0.007	0	0	0	0.008	0.003	8
9	0B	0B	0 B	1.10 B	0.012	2.41	0.007	0	0	0	0.007	0.002	9
10	0B	0B	0 B	1.36 B	0.017	1.76	0.006	0	0	0.001	0.007	0.001	10
11	0B	0B	0 B	1.87 B	0.026	1.19	0.004	0	0	0.006	0.007	0 B	11
12	0B	0B	0 B	4.42 B	0.036	0.821	0.002	0	0	0.042	0.004	0 B	12
13	0B	0B	0 B	4.36	0.028	0.595	0.001	0	0	0.425	0.002	0 B	13
14	0B	0B	0 B	2.92	0.023	0.453	0.001	0	0	0.311	0.002	0 B	14
15	0B	0B	0 B	2.18	0.019	0.311	0.001	0.001	0	0.170	0.001	0 B	15
16	0B	0B	0 B	1.56	0.017	0.283	0.001	0.001	0	0.119	0.001	0 B	16
17	0B	0B	0 B	1.16	0.023	0.280	0	0.001	0	0.116	0.001	0 B	17
18	0B	0B	0 B	0.934	0.016	0.164	0	0.005	0	0.108	0.001	0 B	18
19	0B	0B	0 B	0.538	0.040	0.130	0	0.007	0	0.096	0.001	0 B	19
20	0B	0B	0 B	0.340	0.034	0.113	0	0.005	0	0.085	0.001	0 B	20
21	0B	0B	0 B	0.221	0.023	0.082	0	0.004	0	0.074	0	0 B	21
22	0B	0B	0 B	0.176	0.017	0.068	0	0.005	0	0.065	0	0 B	22
23	0B	0B	0 B	0.139	0.014	0.062	0	0.005	0	0.059	0	0 B	23
24	0B	0B	0 B	0.110	0.011	0.054	0	0.004	0	0.051	0	0 B	24
25	0B	0B	0 B	0.091	0.007	0.042	0	0.002	0	0.045	0	0 B	25
26	0B	0B	0 B	0.076	0.006	0.037	0	0.001	0	0.042	0	0 B	26
27	0B	0B	0 B	0.059	0.011	0.028	0	0.001	0	0.040	0	0 B	27
28	0B	0B	0 B	0.045	0.013	0.026	0	0	0	0.037	0	0 B	28
29	0B		0 B	0.037	0.015	0.016	0	0	0	0.034	0	0 B	29
30	0B		2.55	0.034	0.016	0.012	0	0	0	0.028	0	0 B	30
31	0B		1.81		0.016		0	0		0.023		0 B	31
TOTAL	0	0	4.36	35.738	0.609	45.884	0.092	0.042	0	1.977	0.137	0.295	TOTAL
MEAN	0	0	0.141	1.19	0.020	1.53	0.003	0.001	0	0.064	0.005	0.010	MEAN
MAX	0	0	2.55	4.42	0.040	21.7	0.012	0.007	0	0.425	0.019	0.193	MAX
MIN	0	0	0	0.034	0.006	0.009	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.244
MAXIMUM DAILY, 21.7 ON JUN 6
MINIMUM DAILY, 0B ON JAN 1

SUMMARY FOR THE YEAR 1982

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 56 35 N
LONG 98 57 05 W
DRAINAGE AREA, 184 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	7.95
FEB	0	AUG	3.63
MAR	377	SEP	0
APR	3 090	OCT	171
MAY	52.6	NOV	11.8
JUN	3 960	DEC	25.5

TOTAL DISCHARGE, 7 700 dam³

CYPRESS RIVER NEAR BRUXELLES - STATION NO. 05MH008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.680B	0.184	0.068	0.006	0	0	0	---	---	1
2	---	---	0 B	0.194B	0.171	0.063	0.022	0	0	0	---	---	2
3	---	---	0 B	0.269B	0.157	0.054	0.012	0	0	0	---	---	3
4	---	---	0 B	1.56 B	0.148	0.049	0.005	0	0	0	---	---	4
5	---	---	0 B	0.942B	0.138	0.045	0.012	0	0	0	---	---	5
6	---	---	0 B	0.612B	0.126	0.056	0.013	0.005	0	0	---	---	6
7	---	---	0 B	0.533B	0.117	0.166	0.009	0.003	0	0	---	---	7
8	---	---	0 B	0.486B	0.113	0.153	0.008	0.002	0	0	---	---	8
9	---	---	0 B	0.585B	0.115	0.159	0.009	0.001	0	0	---	---	9
10	---	---	0 B	0.513B	0.128	0.121	0.007	0	0	0.001	---	---	10
11	---	---	0 B	0.638B	0.150	0.087	0.005	0	0	0.010	---	---	11
12	---	---	0 B	1.28 B	0.149	0.069	0.003	0	0	0.008	---	---	12
13	---	---	0 B	1.46 B	0.145	0.059	0.012	0	0	0.014	---	---	13
14	---	---	0 B	1.97 B	0.133	0.053	0.011	0	0	0.054	---	---	14
15	---	---	0 B	2.25 B	0.128	0.049	0.010	0	0	0.048	---	---	15
16	---	---	0 B	2.00 B	0.132	0.043	0.010	0.001	0	0.078	---	---	16
17	---	---	0 B	1.57	0.138	0.052	0.018	0	0	0.035	---	---	17
18	---	---	0 B	1.57	0.153	0.056	0.016	0	0	0.028	---	---	18
19	---	---	0.001B	1.47	0.157	0.052	0.015	0	0	0.025	---	---	19
20	---	---	0.001B	1.21	0.157	0.047	0.014	0	0	0.023	---	---	20
21	---	---	0.001B	1.00	0.143	0.043	0.010	0	0	0.020	---	---	21
22	---	---	0.001B	0.814	0.133	0.039	0.007	0	0	0.020	---	---	22
23	---	---	0.001B	0.648	0.129	0.037	0.008	0	0	0.021	---	---	23
24	---	---	0.001B	0.527	0.125	0.041	0.007	0	0	0.021	---	---	24
25	---	---	0.001B	0.430	0.122	0.039	0.003	0	0	0.021	---	---	25
26	---	---	0.036B	0.352	0.113	0.022	0.002	0	0	0.023	---	---	26
27	---	---	0.038B	0.299	0.099	0.017	0.002	0	0	0.024	---	---	27
28	---	---	0.066B	0.242	0.086	0.014	0.001	0	0	0.027	---	---	28
29	---		0.104B	0.208	0.081	0.012	0.001	0	0	0.032	---	---	29
30	---		0.845B	0.193	0.074	0.008	0	0	0	0.029	---	---	30
31	---		0.918B		0.070		0	0		0.031		---	31
TOTAL	---	---	2.054	26.465	4.014	1.773	0.258	0.012	0	0.593	---	---	TOTAL
MEAN	---	---	0.066	0.882	0.129	0.059	0.008	0	0	0.019	---	---	MEAN
MAX	---	---	0.918	2.25	0.188	0.166	0.022	0.005	0	0.078	---	---	MAX
MIN	---	---	0	0.193	0.070	0.008	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.144
MAXIMUM DAILY, 2.25B ON APR 15
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.68B AT 20:00 CST ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 46 N
LONG 98 54 25 W
DRAINAGE AREA, 254 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	22.3
FEB	---	AUG	1.04
MAR	177	SEP	0
APR	2 290	OCT	51.2
MAY	347	NOV	---
JUN	153	DEC	---

TOTAL DISCHARGE, 3 040 dam³

CYPRESS RIVER NEAR CYPRESS RIVER - STATION NO. 05MH004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.99 B	0.373	0.172	0.041	0.027	0	0.001	---	---	1
2	---	---	0 B	1.77 B	0.345	0.153	0.036	0.024	0	0.016	---	---	2
3	---	---	0 B	1.53 B	0.325	0.146	0.032	0.025	0	0.012	---	---	3
4	---	---	0 B	1.29 B	0.317	0.129	0.027	0.024	0	0.009	---	---	4
5	---	---	0 B	1.01 B	0.286	0.116	0.067	0.021	0	0.009	---	---	5
6	---	---	0 B	0.843B	0.268	0.128	0.073	0.043	0	0.012	---	---	6
7	---	---	0 B	0.620B	0.253	0.231	0.056	0.035	0	0.017	---	---	7
8	---	---	0 B	0.517B	0.231	0.357	0.043	0.031	0	0.013	---	---	8
9	---	---	0 B	0.451B	0.231	0.371	0.037	0.018	0	0.018	---	---	9
10	---	---	0 B	0.394B	0.276	0.358	0.036	0.008	0	0.039	---	---	10
11	---	---	0 B	0.350B	0.292	0.303	0.029	0.004	0	0.050	---	---	11
12	---	---	0 B	2.40 B	0.290	0.240	0.020	0.003	0	0.059	---	---	12
13	---	---	0 B	2.65 B	0.297	0.192	0.072	0.004	0	0.053	---	---	13
14	---	---	0 B	2.91 B	0.282	0.162	0.098	0.003	0	0.048	---	---	14
15	---	---	0.003B	3.33 B	0.267	0.136	0.069	0.006	0	0.038	---	---	15
16	---	---	0.004B	3.31	0.269	0.127	0.111	0.003	0	0.038	---	---	16
17	---	---	0.002B	2.98	0.284	0.120	3.38	0.014	0	0.036	---	---	17
18	---	---	0.001B	2.60	0.322	0.110	1.90	0.005	0	0.038	---	---	18
19	---	---	0 B	2.51	0.334	0.186	0.875	0.002	0	0.046	---	---	19
20	---	---	0 B	2.24	0.327	0.267	0.450	0.001	0	0.053	---	---	20
21	---	---	0 B	1.94	0.305	0.134	0.276	0.002	0	0.045	---	---	21
22	---	---	0.002B	1.59	0.286	0.105	0.160	0.003	0	0.038	---	---	22
23	---	---	0.004B	1.24	0.268	0.101	0.118	0.003	0	0.035	---	---	23
24	---	---	0.003B	1.01	0.397	0.090	0.094	0.002	0	0.032	---	---	24
25	---	---	0.003B	0.784	0.301	0.080	0.070	0.001	0	0.029	---	---	25
26	---	---	0.002B	0.650	0.264	0.070	0.057	0	0	0.026	---	---	26
27	---	---	0.010B	0.562	0.249	0.070	0.041	0	0.009	0.025	---	---	27
28	---	---	0.059B	0.499	0.235	0.068	0.039	0.001	0.014	0.037	---	---	28
29	---		0.460B	0.448	0.221	0.063	0.046	0	0.004	0.050	---	---	29
30	---		2.35 B	0.406	0.205	0.052	0.039	0	0.001	0.055	---	---	30
31	---		2.50 B		0.188		0.032	0		0.046		---	31
TOTAL	---	---	5.402	44.824	8.788	4.837	8.424	0.313	0.028	1.015	---	---	TOTAL
MEAN	---	---	0.174	1.49	0.283	0.161	0.272	0.010	0.001	0.033	---	---	MEAN
MAX	---	---	2.50	3.33	0.397	0.371	3.38	0.043	0.014	0.059	---	---	MAX
MIN	---	---	0	0.350	0.188	0.052	0.020	0	0	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.301
MAXIMUM DAILY, 3.38 ON JUL 17
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.23 AT 04:58 CST ON JUL 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 31 N
LONG 99 02 00 W
DRAINAGE AREA, 572 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	728
FEB	---	AUG	27.0
MAR	467	SEP	2.42
APR	3 870	OCT	87.7
MAY	759	NOV	---
JUN	418	DEC	---

TOTAL DISCHARGE, 6 360 dam³

DAUPHIN LAKE AT OCHRE BEACH - STATION NO. 05LJ016

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	260.274E	260.242	260.212	260.227E	260.484	260.456	260.335E	260.290	260.250E	260.234	260.315	---	1
2	260.274E	260.241E	260.213E	260.230E	260.454	260.436	260.300	260.400	260.280	260.233	260.375	---	2
3	260.275E	260.240	260.215	260.232E	260.454	260.426	260.340	260.350	260.260	260.254	260.375	---	3
4	260.275E	260.239E	260.213E	260.235	260.429	260.396	260.420	260.320	260.400	260.284	260.335E	---	4
5	260.275E	260.239E	260.211E	260.235E	260.438	260.366	260.350	260.330	260.336E	260.294	260.295	---	5
6	260.276	260.238	260.210	260.235E	260.442	260.456	260.540	260.365E	260.273E	260.264	260.297	---	6
7	260.276	260.235E	260.205E	260.235	260.461E	260.586	260.350	260.400	260.210	260.244	260.297	---	7
8	260.286	260.232E	260.200	260.235E	260.481	260.616	260.355	260.500	260.260	260.229	260.300	---	8
9	260.281E	260.230	260.200E	260.235E	260.460	260.396	260.360	260.350	260.264	260.247E	260.300	---	9
10	260.276E	260.229E	260.200	260.235	260.529	260.366	260.370E	260.320	260.264	260.265E	260.303	---	10
11	260.271	260.228	260.199E	260.237E	260.463	260.476	260.380	260.250	260.244	260.284	260.303	---	11
12	260.269E	260.229E	260.198	260.239	260.467	260.391	260.360	260.282E	260.244	260.229	260.299E	---	12
13	260.267E	260.230	260.201E	260.244E	260.451	260.416	260.340	260.315	260.244	260.244	260.295	---	13
14	260.266	260.229E	260.205	260.249	260.461	260.391	260.300	260.350	260.390	260.299E	---	---	14
15	260.271E	260.228	260.207E	260.269E	260.535	260.371	260.350E	---	260.244	260.354	---	---	15
16	260.276	260.225E	260.208E	260.289E	260.524E	260.400	260.400	---	260.209	260.269	---	---	16
17	260.273E	260.222E	260.210	260.310	260.513	260.400	260.360	---	260.224	260.261E	---	---	17
18	260.271	260.220	260.210E	260.330	260.522	260.390	260.360	---	260.274	260.254	260.305	---	18
19	260.264E	260.221E	260.210E	260.339E	260.502	260.395	260.370	---	260.244E	260.244	---	---	19
20	260.258	260.222	260.210	260.349	260.491	260.400	260.340	---	260.214	260.249	---	---	20
21	260.256E	260.220E	260.210	260.336E	260.480	260.390	260.360	---	260.209	260.254	---	---	21
22	260.255	260.218	260.209E	260.323	260.479	260.320	260.290	---	260.194	260.264	---	---	22
23	260.257E	260.215E	260.209E	260.389	260.458	260.375	260.340	260.280	260.294	260.264	---	---	23
24	260.260	260.212	260.209	260.404	260.457E	260.490	260.290	260.340	260.214	260.264	---	---	24
25	260.256E	260.211E	260.208E	260.414	260.457	260.390	260.360	260.250	260.129	260.274	---	---	25
26	260.252E	260.210E	260.208	260.423E	260.466	260.410	260.270	260.390	260.284	260.245	---	---	26
27	260.249E	260.210	260.208E	260.433	260.506	260.420	260.345	260.250	260.294	260.280E	---	---	27
28	260.245	260.211E	260.208	260.444	260.486	260.420	260.338	260.280	260.274	260.315	---	---	28
29	260.246E		260.213E	260.429	260.496E	260.360	260.336E	260.350	260.204	260.310	---	---	29
30	260.248		260.219E	260.436E	260.506E	260.370	260.335	260.245	260.294	260.305E	---	---	30
31	260.245E		260.225		260.516		260.375	260.220		260.300		---	31
MEAN	260.265	260.226	260.208	260.307	260.478	260.416	260.352	---	260.257	260.265	---	---	MEAN
MAX	260.286	260.242	260.225	260.444	260.535	260.616	260.540	---	260.400	260.354	---	---	MAX
MIN	260.245	260.210	260.198	260.227	260.429	260.320	260.270	---	260.129	260.204	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 260.616 ON JUN 6
MINIMUM DAILY, 260.129 ON SEP 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 06 45 N
LONG 99 44 20 W

DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DAUPHIN LAKE AT OUTLET - STATION NO. 05LJ009

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	260.231E	260.203E	260.170	260.181	260.409	260.376	260.437	260.368	260.230	---	---	260.306	1
2	260.230E	260.202E	260.171	260.182	260.407	260.443	260.461	260.346	260.227	---	---	260.319	2
3	260.230E	260.201E	260.170	260.193	260.407	260.441	260.434	260.324	260.259	---	260.147A	260.320	3
4	260.229E	260.200E	260.169	260.197	260.412	260.443	260.386	260.330	260.173	---	260.237	260.317A	4
5	260.229E	260.199E	260.170	260.198	260.423	260.476	260.378	260.340	260.261	---	260.336	260.322A	5
6	260.228E	260.198E	260.165	260.199	260.366	260.423	260.290	260.336	260.327	---	260.315	260.318A	6
7	260.228A	260.196E	260.161	260.199	260.382	260.193	260.298	260.227	260.254	---	260.251	260.317E	7
8	260.227E	260.194E	260.163	260.202	260.394	260.429	260.341	260.202	260.258	---	260.302	260.317E	8
9	260.226E	260.192E	260.164	260.198	260.392	260.389	260.348	260.305	260.228	---	260.303	260.317E	9
10	260.225E	260.190E	260.160	260.201	260.329	260.377	260.337	260.331	260.243	---	260.301	260.317E	10
11	260.224E	260.188A	260.168	260.202	260.420	260.355	260.327	260.355	260.190	---	260.048A	260.317E	11
12	260.223E	260.188	260.165	260.200	260.441	260.400	260.316	260.364	260.200	---	260.261A	260.317E	12
13	260.222E	260.187	260.164	260.207	260.424	260.411	260.335	260.311	260.116	---	260.292A	260.317E	13
14	260.221E	260.187	260.164	260.217	260.404	260.380	260.374	260.341	260.213	---	260.292A	260.317E	14
15	260.220E	260.185	260.163	260.235	260.394	260.421	260.331	260.307	260.229	---	---	260.317E	15
16	260.219E	260.185	260.158	260.253	260.410	260.336	260.300	260.304	260.203	---	---	260.317	16
17	260.218E	260.183	260.158	260.272	260.390	260.356	260.221	260.319	260.207	---	---	260.315	17
18	260.217E	260.182	260.171	260.288	260.371	260.387	260.363	260.297	260.114	---	260.299	260.310	18
19	260.216E	260.181	260.173	260.305	260.399	260.333	260.385	260.285	260.150	---	260.297	260.307	19
20	260.215E	260.179	260.174	260.325	260.452	260.328	260.334	260.295	260.210	---	260.295	260.307	20
21	260.214E	260.179	260.174	260.343	260.442	260.381	260.354	260.289	260.219	---	260.295	260.301	21
22	260.213E	260.171	260.178	260.358	260.457	260.448	260.413	260.276	260.211	260.271	260.297	260.301	22
23	260.212E	260.173	260.172	260.363	260.472	260.328	260.358	260.282	260.074	260.275	260.296	260.307	23
24	260.211E	260.170	260.172	260.370	260.440	260.292	260.337	260.250	260.190A	260.249	260.300	260.307	24
25	260.210E	260.171	260.172	260.383	260.450	260.380	260.340	260.176	---	260.264	260.304	260.311	25
26	260.209E	260.169	260.171	260.391	260.457	260.377	260.344	260.157	---	260.269	260.302	260.307	26
27	260.208E	260.170	260.174	260.399	260.389	260.357	260.338	260.229	---	260.288A	260.302	260.302	27
28	260.207E	260.171	260.172	260.402	260.324	260.347	260.333	260.367	---	260.175	260.302	260.299	28
29	260.206E		260.172	260.409	260.364	260.359	260.316	260.210	---	260.227	260.302	260.301	29
30	260.205E		260.177	260.407	260.335	260.387	260.345	260.272	---	---	260.303	260.301	30
31	260.204E		260.184		260.268		260.323	260.266		---		260.299	31
MEAN	260.219	260.186	260.169	260.276	260.398	260.378	260.348	260.292	---	---	---	260.311	MEAN
MAX	260.231	260.203	260.184	260.409	260.472	260.476	260.461	260.368	---	---	---	260.322	MAX
MIN	260.204	260.169	260.158	260.181	260.268	260.193	260.221	260.157	---	---	---	260.299	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 260.476 ON JUN 5

MAXIMUM INSTANTANEOUS,
260.641 AT 10:27 CST ON JUN 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 26 22 N
LONG 99 57 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DAUPHIN RIVER NEAR ARANA BAY - STATION NO. 05LN006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.9 B	1.64 B	0.888B	9.00B	77.3	35.2	26.2	15.8	14.6	9.54	25.8	11.6 B	1
2	14.2 B	1.61 B	0.860B	8.58B	75.7	39.7	35.3	17.2	13.7	12.0	22.3	11.9 B	2
3	13.0 B	1.48 B	0.912B	8.16B	73.4	44.7	43.3	15.4	13.2	12.3	16.3	10.8 B	3
4	12.2 B	1.25 B	0.984B	8.58B	73.0	46.7	37.0	15.2	14.7	13.0	11.8	9.92B	4
5	11.3 B	1.07 B	1.12 B	9.46B	75.8	49.0	34.6	15.6	12.3	10.7	10.0	9.00B	5
6	9.00B	0.912B	1.33 B	10.8 B	74.0	51.1	33.6	16.7	14.0	12.2	20.9	8.16B	6
7	10.4 B	0.888B	1.48 B	12.5 B	64.5	36.0	26.1	16.0	14.9	11.5	19.8	7.79B	7
8	9.00B	0.852B	1.59 B	14.2 B	68.7	37.7	26.9	11.3	13.8	11.5	19.5	7.32B	8
9	7.74B	0.540B	1.69 B	16.1 B	65.8	40.8	28.5	12.0	14.0	11.7	20.9	6.90B	9
10	6.90B	0.420B	1.85 B	17.3 B	61.8	38.4	28.2	13.3	13.5	9.09	23.8	6.79B	10
11	6.14B	0.380B	1.96 B	18.8 B	60.5	35.4	27.5	15.7	13.1	7.03	25.6	6.67B	11
12	5.19B	0.360B	2.12 B	20.7 B	64.6	35.4	27.5	19.1	13.1	8.22	16.6	6.60B	12
13	4.66B	0.340B	2.24 B	22.7 B	64.0	36.2	23.6	18.6	12.7	9.66	17.7	6.52B	13
14	4.32B	0.320B	2.40 B	25.2 B	61.3	35.2	22.7	19.0	10.8	10.6	16.3	6.33B	14
15	3.98B	0.340B	2.52 B	29.6 B	53.6	32.9	23.3	18.8	11.9	10.1	16.5	6.26B	15
16	3.57B	0.360B	2.68 B	30.6 B	50.5	33.5	27.3	15.3	13.1	10.5	18.8	6.29B	16
17	3.16B	0.380B	2.80 B	31.6	52.0	28.1	20.6	16.3	11.7	16.9	20.1	6.65B	17
18	2.88B	0.400B	2.96 B	35.9	52.8	29.4	21.0	16.6	12.2	13.6	20.5	7.35B	18
19	2.74B	0.420B	3.13 B	38.5	51.7	33.0	25.1	14.6	9.11	11.8	21.4	7.66B	19
20	2.46B	0.490B	3.30 B	41.0	53.9	31.3	25.0	13.2	10.5	13.0	22.6	7.68B	20
21	2.38B	0.460B	3.67 B	45.0	54.7	29.7	21.2	14.9	12.0	15.7	8.75B	7.64B	21
22	2.29B	0.480B	3.71 B	51.9	54.6	31.8	21.0	14.3	13.1	16.9	7.91B	7.65B	22
23	2.21B	0.500B	3.91 B	54.7	56.0	33.4	22.0	13.7	11.6	18.4	7.90B	7.69B	23
24	2.12B	0.520B	4.08 B	70.4	55.8	24.6	19.7	13.7	9.11	18.9	7.74B	7.92B	24
25	2.04B	0.540B	4.25 B	68.7	55.5	27.2	17.4	12.2	12.3	19.4	8.37B	7.99B	25
26	1.96B	0.560B	4.49 B	80.0	55.6	30.1	18.9	11.2	13.9	20.1	9.00B	7.50B	26
27	1.90B	0.580B	4.83 B	81.2	53.6	27.9	18.6	10.2	9.95	21.0	9.69B	7.36B	27
28	1.85B	0.652B	5.19 B	80.7	44.6	26.4	18.4	13.8	10.3	21.1	10.2 B	7.31B	28
29	1.80B		5.76 B	84.2	35.7	23.8	17.2	16.1	11.5	20.2	10.6 B	7.06B	29
30	1.74B		6.90 B	80.3	38.5	24.8	16.8	12.5	9.35	20.1	11.1 B	6.68B	30
31	1.69B		9.48 B		39.0		18.0	15.2		24.7		6.05B	31
TOTAL	170.72	18.464	98.804	1 105.98	1 818.5	1 029.4	780.5	463.5	370.02	441.44	485.96	239.04	TOTAL
MEAN	5.51	0.659	3.06	36.9	58.7	34.3	25.2	15.0	12.3	14.2	16.2	7.71	MEAN
MAX	15.9	1.64	9.48	84.2	77.3	51.1	43.3	19.1	14.9	24.7	25.8	11.9	MAX
MIN	1.69	0.320	0.888	8.16	35.7	23.8	16.8	10.2	9.11	7.03	7.40	6.05	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.2
MAXIMUM DAILY, 84.2 ON APR 29
MINIMUM DAILY, 0.320B ON FEB 14
MAXIMUM INSTANTANEOUS,
88.1 AT 15:12 CST ON APR 24

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 00 00 N
LONG 98 19 20 W
DRAINAGE AREA, 81 600 km²

B - ICE CONDITIONS

REGULATED SINCE 1976

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	14 800	JUL	67 400
FEB	1 600	AUG	40 000
MAR	8 190	SEP	32 000
APR	95 600	OCT	38 100
MAY	157 000	NOV	42 000
JUN	88 900	DEC	20 700

TOTAL DISCHARGE, 606 000 dam³

DEAD LAKE DRAIN NEAR GLADSTONE - STATION NO. 05LL023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.001B	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0 B	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0 B	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0 B	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0 B	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0 B	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0 B	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0 B	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0 B	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0 B	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.008B	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.021B	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.011B	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.006B	0	0	0	0	0	0	---	---	14
15	---	---	0 B	1.54 B	0	0	0	0	0	0	---	---	15
16	---	---	0 B	4.89 B	0	0	0	0	0	0	---	---	16
17	---	---	0 B	3.49 B	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.937B	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.113B	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.044B	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.019	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0.010	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0.007	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0.005	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0.003	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0	0	0	0	0	0	0	---	---	28
29	---		0.001B	0	0	0	0	0	0	0	---	---	29
30	---		0.001B	0	0	0	0	0	0	0	---	---	30
31	---		0.001B	0			0	0		0	---	---	31
TOTAL	---	---	0.004	11.105	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.370	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.001	4.89	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.045
MAXIMUM DAILY, 4.89B ON APR 16
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 10 59 N
LONG 98 56 58 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0.35	SEP	0
APR	959	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 959 dam³

DEADHORSE CREEK AT NORDEN - STATION NO. 05QC015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.428B	0.001	0.001	0.001	0.013	0	0.010	---	---	1
2	---	---	0 B	0.339B	0.001	0.001	0.018	0.010	0	0.002	---	---	2
3	---	---	0 B	0.308B	0.001	0.001	0.024	0.006	0	0.001	---	---	3
4	---	---	0 B	0.296B	0.002	0.001	0.002	0.002	0	0.001	---	---	4
5	---	---	0 B	0.284B	0.018	0.039	0.031	0	0	0.001	---	---	5
6	---	---	0 B	0.284B	0.013	0.243	0.009	0	0	0.015	---	---	6
7	---	---	0 B	0.290B	0.015	0.396	0.004	0	0	0.012	---	---	7
8	---	---	0 B	0.326B	0.016	0.148	0.007	0	0	0.002	---	---	8
9	---	---	0 B	0.382B	0.072	0.131	0.038	0	0	0.003	---	---	9
10	---	---	0 B	0.430B	0.062	0.544	0.024	0	0	0.180	---	---	10
11	---	---	0 B	0.467B	0.044	0.637	0.014	0	0	0.240	---	---	11
12	---	---	0 B	0.501A	0.033	0.610	0.003	0	0	0.135	---	---	12
13	---	---	0 B	0.507E	0.039	0.393	0.052	0	0	0.044	---	---	13
14	---	---	0 B	0.521A	0.046	0.251	0.009	0	0	0.019	---	---	14
15	---	---	0.001B	0.521E	0.068	0.237	0.001	0	0	0.003	---	---	15
16	---	---	0.004B	0.525E	0.064	0.154	0.001	0	0	0.004	---	---	16
17	---	---	0.016B	0.525E	0.106	0.061	0.296	0	0	0.011	---	---	17
18	---	---	0.012B	0.529E	0.071	0.030	0.147	0	0	0.076	---	---	18
19	---	---	0.010B	0.529A	0.094	0.138	0.059	0	0	0.002	---	---	19
20	---	---	0.006B	0.529	0.069	0.266	0.026	0	0	0.002	---	---	20
21	---	---	0.014B	0.522	0.056	0.177	0.003	0	0	0.002	---	---	21
22	---	---	0.024B	0.526	0.050	0.136	0.001	0	0	0.001	---	---	22
23	---	---	0.022B	0.360	0.040	0.070	0.186	0	0	0.001	---	---	23
24	---	---	0.020B	0.031	0.037	0.125	0.144	0	0	0.001	---	---	24
25	---	---	0.022B	0.020	0.033	0.052	0.071	0	0	0.001	---	---	25
26	---	---	0.024B	0.012	0.024	0.050	0.048	0	0	0.001	---	---	26
27	---	---	0.026B	0.003	0.014	0.116	0.041	0	0.081	0.001	---	---	27
28	---	---	0.028B	0.001	0.002	0.048	0.032	0	1.18	0.010	---	---	28
29	---		0.028B	0.004	0.001	0.013	0.033	0	0.964	0.001	---	---	29
30	---		0.281B	0.001	0.001	0.002	0.024	0	0.121	0.001	---	---	30
31	---		0.748B		0.001		0.016	0		0.001		---	31
TOTAL	---	---	1.286	10.001	1.094	5.071	1.365	0.031	2.346	0.784	---	---	TOTAL
MEAN	---	---	0.041	0.333	0.035	0.169	0.044	0.001	0.078	0.025	---	---	MEAN
MAX	---	---	0.748	0.529	0.106	0.637	0.296	0.013	1.18	0.240	---	---	MAX
MIN	---	---	0	0.001	0.001	0.001	0.001	0	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.090
MAXIMUM DAILY, 1.18 ON SEP 28
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.42 AT 00:55 CST ON SEP 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 47 N
LONG 98 06 38 W
DRAINAGE AREA, 136 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	118
FEB	---	AUG	2.68
MAR	111	SEP	203
APR	864	OCT	67.7
MAY	94.5	NOV	---
JUN	438	DEC	---

TOTAL DISCHARGE, 1 900 dam³

DEER RIVER NORTH OF BELCHER - STATION NO. 06FD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.07 B	0.596B	0.304B	0.036B	0.638B	72.2A	50.0	10.3	5.64	8.50	7.77B	3.48B	1
2	1.04 B	0.585B	0.295B	0.033B	2.15 B	76.7	44.9	9.85	5.76	10.4	7.53B	3.41B	2
3	1.02 B	0.574B	0.284B	0.025B	6.41 B	76.2	39.3	9.09	5.54	12.2	7.30B	3.30B	3
4	0.986B	0.566B	0.279B	0.022B	---	72.1	34.1	8.57	6.41	13.5	7.06B	3.23B	4
5	0.968B	0.557B	0.268B	0.014B	---	64.7	30.6	7.75	7.64	14.2	6.87B	3.18B	5
6	0.948B	0.546B	0.259B	0.011B	---	61.6	27.8	7.47	9.34	13.5	6.66B	3.09B	6
7	0.925B	0.535B	0.251B	0.011B	---	82.0	25.7	7.00	10.6	13.4	6.45B	3.03B	7
8	0.897B	0.524B	0.240B	0.008B	---	111	23.5	7.01	10.8	13.5	6.29B	2.95B	8
9	0.874B	0.513B	0.231B	0.003B	---	121	22.5	6.36	10.7	14.6	6.11B	2.90B	9
10	0.847B	0.504B	0.223B	0.008B	---	119	21.3	5.78	9.99	16.6	5.97B	2.83B	10
11	0.836B	0.493B	0.212B	0.006B	---	107	20.8	5.83	9.71	17.4	5.81B	2.75B	11
12	0.825B	0.485B	0.201B	0.006B	---	95.6	19.7	5.13	9.15	17.8	5.63B	2.68B	12
13	0.814B	0.474B	0.192B	0.006B	---	84.6	19.2	4.97	8.99	17.5	5.47B	2.62B	13
14	0.803B	0.463B	0.178B	0.006B	---	72.4	18.3	4.89	9.12	17.0	5.33B	2.59B	14
15	0.791B	0.454B	0.173B	0.006B	---	63.7	17.5	4.77	8.45	16.5	5.20B	2.54B	15
16	0.778B	0.443B	0.162B	0.006B	---	56.1	16.7	4.59	8.29	15.8	5.05B	2.49B	16
17	0.764B	0.432B	0.150B	0.006B	---	48.6	16.7	4.22	8.04	14.9	4.96B	2.46B	17
18	0.752B	0.424B	0.145B	0.006B	---	43.3	16.2	4.27	7.51	12.8	4.81B	2.43B	18
19	0.741B	0.412B	0.137B	0.006B	---	38.7	15.0	4.01	7.43	10.3	4.68B	2.38B	19
20	0.730B	0.401B	0.128B	0.006B	---	34.5	14.6	4.08	7.13	9.23	4.57B	2.36B	20
21	0.716B	0.393B	0.120B	0.006B	---	31.4	14.8	4.00	7.00	9.41	4.48B	2.32B	21
22	0.708B	0.382B	0.111B	0.006B	---	28.6	14.7	3.98	6.70	10.4	4.33B	2.27B	22
23	0.697B	0.373B	0.106B	0.006B	---	26.6	14.7	4.01	6.38	11.9	4.24B	2.25B	23
24	0.686B	0.365B	0.100B	0.006B	---	29.8	13.9	3.79	6.07	10.2	4.11B	2.22B	24
25	0.677B	0.354B	0.086B	0.006B	---	41.6	14.3	3.81	6.00	10.3	4.04B	2.18B	25
26	0.663B	0.346B	0.075B	0.008B	---	47.7	13.7	3.68	6.28	10.1	3.94B	2.15B	26
27	0.652B	0.334B	0.067B	0.011B	---	52.6	13.7	3.88	5.96	9.59	3.85B	2.13B	27
28	0.641B	0.323B	0.059B	0.014B	---	56.3	13.1	3.83	6.04	9.02	3.76B	2.10B	28
29	0.630B		0.050B	0.036B	---	57.2	12.2	4.17	6.67	8.64B	3.65B	2.07B	29
30	0.621B		0.045B	0.123B	---	54.8	11.4	5.11	7.07	8.35B	3.58B	2.05B	30
31	0.610B		0.039B		---		10.9	5.21		8.05B		2.02B	31
TOTAL	24.710	12.851	5.170	0.458	---	1 927.6	681.8	171.41	230.21	385.59	159.50	80.46	TOTAL
MEAN	0.797	0.459	0.167	0.015	---	64.3	20.7	5.53	7.67	12.4	5.32	2.60	MEAN
MAX	1.07	0.596	0.304	0.123	---	121	50.0	10.3	10.8	17.8	7.77	3.48	MAX
MIN	0.610	0.323	0.039	0.006	---	26.6	10.9	3.68	5.54	8.05	3.58	2.02	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 0.006B ON APR 11

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 00 54 N
LONG 94 11 44 W
DRAINAGE AREA, 1 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 130	JUL	55 500
FEB	1 110	AUG	14 800
MAR	447	SEP	19 900
APR	39.6	OCT	33 300
MAY	---	NOV	13 800
JUN	167 000	DEC	4 950

DELORAINE RESERVOIR NEAR DELORAINE - STATION NO. 05MG014

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	539.198	539.470	540.146	540.157	540.044	539.889	539.727	539.600	---	---	1
2	---	---	539.198	539.502	540.135	540.150	540.038	539.883	539.721	539.617	---	---	2
3	---	---	539.196	539.505	540.129	540.143	540.027	539.875	539.714	539.617	---	---	3
4	---	---	539.194	539.508	540.120	540.137	540.021	539.865	539.706	539.612	---	---	4
5	---	---	539.193	539.512	540.108	540.132	540.024	539.856	539.700	539.614	---	---	5
6	---	---	539.193	539.513	540.098	540.135	540.017	539.878	539.697	539.621	---	---	6
7	---	---	539.191	539.514	540.099	540.145	540.008	539.878	539.692	539.629	---	---	7
8	---	---	539.193	539.513	540.096	540.147	540.005	539.869	539.687	539.627	---	---	8
9	---	---	539.191	539.516	540.098	540.148	540.008	539.862	539.679	539.631	---	---	9
10	---	---	539.187	539.517	540.111	540.144	540.003	539.856	539.674	539.640	---	---	10
11	---	---	539.191	539.525	540.116	540.142	539.998	539.849	539.664	539.646	---	---	11
12	---	---	539.185	539.732	540.113	540.138	539.993	539.840	539.658	539.644	---	---	12
13	---	---	539.184	540.296E	540.111	540.131	539.985	539.833	539.652	539.643	---	---	13
14	---	---	539.183	540.293E	540.110	540.132	539.978	539.831	539.645	539.640	---	---	14
15	---	---	539.184	540.277E	540.113	540.125	539.985	539.833	539.637	539.638	---	---	15
16	---	---	539.185	540.266E	540.115	540.116	539.991	539.827	539.632	539.637	---	---	16
17	---	---	539.190	540.255E	540.117	540.110	539.985	539.821	539.627	539.635	---	---	17
18	---	---	539.189	540.249E	540.117	540.106	539.979	539.815	539.621	539.632	---	---	18
19	---	---	539.189	540.240E	540.113	540.103	539.974	539.808	539.615	539.628	---	---	19
20	---	---	539.190	540.228	540.111	540.098	539.968	539.801	539.611	539.625	---	---	20
21	---	---	539.186	540.209	540.108	540.098	539.961	539.794	539.605	539.622	---	---	21
22	---	---	539.186	540.195	540.103	540.090	539.955	539.787	539.597	539.619	---	---	22
23	---	539.207A	539.184	540.187	540.104	540.086	539.949	539.782	539.593	539.619	---	---	23
24	---	539.207	539.184	540.183	540.136	540.080	539.945	539.774	539.588	539.616	---	---	24
25	---	539.204	539.184	540.175	540.150	540.073	539.940	539.764	539.583	539.615	---	---	25
26	---	539.203	539.181	540.164	540.150	540.068	539.934	539.756	539.573	539.615	---	---	26
27	---	539.203	539.184	540.157	540.149	540.069	539.927	539.749	539.576	539.615	---	---	27
28	---	539.198	539.176	540.152	540.149	540.065	539.918	539.744	539.608	539.630A	---	---	28
29	---		539.203	540.150	540.156	540.059	539.911	539.735	539.611	539.630E	---	---	29
30	---		539.383	540.147	540.160	540.050	539.904	539.735	539.607	539.630E	---	---	30
31	---		539.435		540.158		539.896	539.732		539.630E		---	31
MEAN	---	---	539.203	539.938	540.122	540.112	539.976	539.817	539.643	539.627	---	---	MEAN
MAX	---	---	539.435	540.296	540.160	540.157	540.044	539.889	539.727	539.646	---	---	MAX
MIN	---	---	539.176	539.470	540.096	540.050	539.896	539.732	539.573	539.609	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 540.296E ON APR 13

MAXIMUM INSTANTANEOUS,
540.326 AT 07:07 CST ON APR 13

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 50 N
LONG 100 24 40 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DEVILS CREEK NEAR LIBAU - STATION NO. 05OJ016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.96 B	0.059	0.088	0.035	0.043	0.017	0.042	---	---	1
2	---	---	0 B	2.52 B	0.057	0.047	0.039	0.042	0.017	0.038	---	---	2
3	---	---	0 B	2.11 B	0.049	0.042	0.077	0.039	0.016	0.037	---	---	3
4	---	---	0 B	1.75 B	0.047	0.038	0.127	0.033	0.016	0.035	---	---	4
5	---	---	0 B	1.43 B	0.048	0.036	0.314	0.028	0.016	0.034	---	---	5
6	---	---	0 B	1.12 B	0.046	0.044	0.298	0.024	0.015	0.053	---	---	6
7	---	---	0 B	0.861B	0.045	0.078	0.328	0.024	0.015	0.051	---	---	7
8	---	---	0 B	0.548B	0.046	0.073	0.297	0.024	0.194	0.057	---	---	8
9	---	---	0 B	0.965B	0.047	0.067	0.232	0.023	0.038	0.063	---	---	9
10	---	---	0 B	1.43 B	0.054	0.173	0.164	0.024	0.019	0.082	---	---	10
11	---	---	0 B	2.00 B	0.05?	0.207	0.107	0.022	0.020	0.252	---	---	11
12	---	---	0 B	2.70 B	0.058	0.335	0.070	0.020	0.016	0.367	---	---	12
13	---	---	0 B	5.38 B	0.057	0.428	0.056	0.020	0.014	0.337	---	---	13
14	---	---	0 B	7.05 B	0.053	0.297	0.047	0.022	0.014	0.375	---	---	14
15	---	---	0 B	5.97 B	0.053	0.200	0.040	0.031	0.014	0.201	---	---	15
16	---	---	0 B	3.84 B	0.057	0.130	0.050	0.029	0.013	0.118	---	---	16
17	---	---	0 B	2.17 B	0.073	0.094	0.428	0.024	0.014	0.172	---	---	17
18	---	---	0 B	1.51	0.075	0.087	0.130	0.023	0.014	0.140	---	---	18
19	---	---	0 B	1.87	0.071	0.125	0.058	0.021	0.014	0.122	---	---	19
20	---	---	0 B	1.32	0.068	0.098	0.042	0.020	0.015	0.103	---	---	20
21	---	---	0 B	0.869	0.080	0.074	0.035	0.019	0.016	0.085	---	---	21
22	---	---	0 B	0.699	0.077	0.086	0.030	0.018	0.019	0.066	---	---	22
23	---	---	0 B	0.608	0.069	0.178	0.028	0.020	0.021	0.099	---	---	23
24	---	---	0 B	0.535	0.064	0.119	0.030	0.023	0.022	0.089	---	---	24
25	---	---	0 B	0.451	0.060	0.082	0.028	0.020	0.021	0.065	---	---	25
26	---	---	0 B	0.326	0.056	0.061	0.025	0.019	0.021	0.052	---	---	26
27	---	---	0 B	0.230	0.054	0.054	0.024	0.017	0.022	0.085	---	---	27
28	---	---	0.037B	0.217	0.050	0.047	0.026	0.017	0.034	0.076	---	---	28
29	---		0.645B	0.113	0.048	0.042	0.046	0.017	0.059	0.193	---	---	29
30	---		1.91 B	0.069	0.048	0.039	0.047	0.017	0.053	0.114	---	---	30
31	---		3.72 B		0.047		0.055	0.017		0.065		---	31
TOTAL	---	---	6.313	53.621	1.775	3.429	3.313	0.748	0.799	3.668	---	---	TOTAL
MEAN	---	---	0.204	1.79	0.057	0.114	0.107	0.024	0.027	0.118	---	---	MEAN
MAX	---	---	3.72	7.05	0.080	0.428	0.428	0.043	0.194	0.375	---	---	MAX
MIN	---	---	0	0.069	0.045	0.036	0.024	0.017	0.013	0.036	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.301
MAXIMUM DAILY, 7.05B ON APR 14
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
9.69B AT 22:22 CST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 40 N
LONG 96 42 50 W

DRAINAGE AREA, 249 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	286
FEB	---	AUG	63.9
MAR	545	SEP	69.0
APR	4 630	OCT	317
MAY	153	NOV	---
JUN	296	DEC	---

TOTAL DISCHARGE, 6 360 dam³

DOG LAKE NEAR VOGAR - STATION NO. 05LM005

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	28.203A	28.132	28.086	27.988	27.939	---	---	1
2	---	---	---	---	---	28.196A	28.152	28.093	27.976	27.936	---	---	2
3	---	---	---	---	---	28.191A	28.137	28.071	27.990	27.942	---	---	3
4	---	---	---	---	---	28.186A	28.119	28.063	27.974	27.919	---	---	4
5	---	---	---	---	---	28.190A	28.117	28.062	27.992	27.943	---	---	5
6	---	---	---	---	---	28.195A	28.105	28.062	27.992	27.942	---	---	6
7	---	---	---	---	---	28.200A	28.096	28.002	27.988	27.935	---	---	7
8	---	---	---	---	---	28.208A	28.099	28.029	27.988	27.937	---	---	8
9	---	---	---	---	---	28.196A	28.103	28.041	27.976	27.939	---	---	9
10	---	---	---	---	---	28.194A	28.096	28.035	27.979	27.936	---	---	10
11	---	---	28.047A	---	---	28.176	28.090	28.044	27.938	27.947	---	---	11
12	---	---	---	---	---	28.180	28.094	28.043	27.965	27.939	---	---	12
13	---	---	---	---	28.216A	28.191	28.097	28.024	27.955	27.942	---	---	13
14	---	---	---	---	28.170A	28.177	28.089	28.060	27.966	27.934	---	---	14
15	---	---	---	---	28.175A	28.175	28.084	28.043	27.957	27.919	---	---	15
16	---	---	---	---	28.179A	28.171	28.107	28.057	27.949	27.953	---	---	16
17	---	---	---	---	28.189A	28.160	28.067	28.057	27.949	27.947	---	---	17
18	---	---	---	---	28.199A	28.156	28.088	28.045	27.922	27.943	---	---	18
19	---	---	---	---	28.209A	28.170	28.102	28.032	27.938	27.936	---	---	19
20	---	---	---	---	28.219A	28.159	28.084	28.030	27.938	27.936	---	---	20
21	---	---	---	---	28.218A	28.163	28.082	28.030	27.939	27.931	---	---	21
22	---	---	---	---	28.213A	28.165	28.094	28.014	27.937	27.937	---	---	22
23	---	---	---	---	28.218A	28.154	28.077	28.006	27.931	27.935	---	---	23
24	---	---	---	---	28.218A	28.138	28.057	28.008	27.935	27.934	---	---	24
25	---	---	---	---	28.220A	28.143	28.056	27.995	27.928	27.932	---	---	25
26	---	---	---	---	28.219A	28.142	28.067	27.975	27.926	27.935	---	---	26
27	---	---	---	---	28.222A	28.134	28.055	27.989	27.957	27.933	---	---	27
28	---	---	---	28.912A	28.222A	28.137	28.058	28.012	28.000	27.930	---	---	28
29	---		---	---	28.222A	28.129	28.057	27.978	27.917	27.908	---	---	29
30	---		---	---	28.216A	28.124	28.063	27.990	27.915	27.910	---	---	30
31	---		---		28.209A		28.064	27.984		27.925		---	31
MEAN	---	---	---	---	---	28.170	28.090	28.031	27.956	27.935	---	---	MEAN
MAX	---	---	---	---	---	28.202	28.152	28.093	28.000	27.953	---	---	MAX
MIN	---	---	---	---	---	28.124	28.055	27.975	27.915	27.908	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 02 30 N
LONG 98 36 31 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

DOMAIN DRAIN NEAR DOMAIN - STATION NO. 05OG009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.310B	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.034B	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0 B	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0 B	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0 B	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.002B	0	0 A	0	0	0	0	---	---	6
7	---	---	0 B	0 B	0	0.001A	0	0	0	0	---	---	7
8	---	---	0 B	0 B	0	0 A	0	0	0	0	---	---	8
9	---	---	0 B	0.015B	0	0 A	0	0	0	0	---	---	9
10	---	---	0 B	0.169B	0	0 A	0	0	0	0.004	---	---	10
11	---	---	0 B	0.451B	0	0 A	0	0	0	0.041	---	---	11
12	---	---	0 B	0.997B	0	0 A	0	0	0	0.051	---	---	12
13	---	---	0 B	1.52 B	0	0 A	0	0	0	0.028	---	---	13
14	---	---	0 B	2.74	0	0 A	0	0	0	0.010	---	---	14
15	---	---	0 B	2.87	0	0 A	0	0	0	0.003	---	---	15
16	---	---	0 B	1.23	0	0 A	0	0	0	0.004	---	---	16
17	---	---	0 B	0.483	0	0	0	0	0	0.002	---	---	17
18	---	---	0 B	0.267	0	0	0	0	0	0.001	---	---	18
19	---	---	0 B	0.159	0A	0	0	0	0	0.001	---	---	19
20	---	---	0 B	0.137	0A	0	0	0	0	0	---	---	20
21	---	---	0 B	0.053	0A	0	0	0	0	0	---	---	21
22	---	---	0 B	0.032	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0.039	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0.021	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0.001	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0 E	---	---	26
27	---	---	0.100B	0	0	0	0	0	0	0 E	---	---	27
28	---	---	0.403B	0	0	0	0	0	0	0 E	---	---	28
29	---		0.620B	0	0	0	0	0	0	0 E	---	---	29
30	---		0.616B	0	0	0	0	0	0	0 E	---	---	30
31	---		0.583B		0		0	0		0 E		---	31
TOTAL	---	---	2.522	11.530	0	0.001	0	0	0	0.145	---	---	TOTAL
MEAN	---	---	0.081	0.384	0	0	0	0	0	0.005	---	---	MEAN
MAX	---	---	0.820	2.87	0	0.001	0	0	0	0.051	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.038
MAXIMUM DAILY, 2.87 ON APR 15
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.92 AT 16:56 CST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 32 N
LONG 97 17 20 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	218	SEP	0
APR	996	OCT	12.5
MAY	0	NOV	---
JUN	0.09	DEC	---

TOTAL DISCHARGE, 1 230 dam³

DUCK RIVER AT COHAN - STATION NO. 05LG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.123B	2.04	4.54	0.313	1.28	0.126	0.969	---	---	1
2	---	---	0 B	0.029B	1.87	3.27	0.305	1.25	0.129	0.832	---	---	2
3	---	---	0 B	0.013B	1.93	2.41	2.44	1.33	0.122	0.699	---	---	3
4	---	---	0 B	0.011B	1.62	1.82	2.22	1.24	0.136	0.781	---	---	4
5	---	---	0 B	0.011B	1.36	1.43	1.35	1.07	0.138	1.05	---	---	5
6	---	---	0 B	0.013B	1.16	1.24	0.974	0.897	0.138	0.977	---	---	6
7	---	---	0 B	0.062B	1.14	1.15	0.914	0.720	0.140	0.841	---	---	7
8	---	---	0 B	0.196B	1.01	1.04	0.846	0.613	0.142	0.746	---	---	8
9	---	---	0 B	0.177B	0.977	0.950	0.669	0.562	0.145	0.679	---	---	9
10	---	---	0 B	0.097B	1.01	0.841	0.565	0.454	0.145	0.662	---	---	10
11	---	---	0 B	0.123B	1.35	0.752	0.555	0.352	0.143	0.691	---	---	11
12	---	---	0 B	0.211B	1.43	0.654	0.465	0.288	0.143	0.718	---	---	12
13	---	---	0 B	0.185B	1.58	0.589	0.378	0.247	0.142	0.737	---	---	13
14	---	---	0 B	0.233B	1.61	0.543	0.321	0.202	0.131	0.694	---	---	14
15	---	---	0 B	0.582B	1.52	0.476	0.298	0.176	0.128	0.644	---	---	15
16	---	---	0 B	0.440B	1.61	0.465	0.352	0.189	0.141	0.585	---	---	16
17	---	---	0 B	0.428B	1.51	0.483	48.0	0.146	0.163	0.584	---	---	17
18	---	---	0 B	0.436B	2.06	0.460	49.9	0.146	0.132	0.579	---	---	18
19	---	---	0 B	0.607B	2.31	0.493	17.0	0.146	0.131	0.571	---	---	19
20	---	---	0 B	1.86 B	2.33	0.695	7.73	0.147	0.129	0.527	---	---	20
21	---	---	0.008B	5.12 B	2.04	0.782	4.47	0.185	0.121	0.491	---	---	21
22	---	---	0.027B	7.61 B	1.77	0.739	2.96	0.148	0.126	0.461	---	---	22
23	---	---	0.063B	9.11 B	1.55	0.650	2.28	0.145	0.120	0.453	---	---	23
24	---	---	0.052B	6.46 B	1.40	1.09	1.73	0.145	0.126	0.446	---	---	24
25	---	---	0.060B	5.42	1.26	1.86	1.29	0.143	0.134	0.427	---	---	25
26	---	---	0.035B	4.32	1.16	0.827	1.10	0.142	0.121	0.421	---	---	26
27	---	---	0.018B	3.62	1.07	0.641	1.18	0.142	0.133	0.438	---	---	27
28	---	---	0.014B	3.23	0.963	0.524	1.05	0.128	0.232	0.437	---	---	28
29	---		0.055B	2.89	1.02	0.435	2.06	0.126	1.28	0.450	---	---	29
30	---		0.092B	2.49	1.56	0.373	2.17	0.125	1.40	0.436	---	---	30
31	---		0.186B		3.62		1.52	0.125		0.424		---	31
TOTAL	---	---	0.610	56.107	48.840	31.352	157.405	12.923	6.547	19.430	---	---	TOTAL
MEAN	---	---	0.020	1.87	1.58	1.05	5.08	0.417	0.218	0.627	---	---	MEAN
MAX	---	---	0.186	9.11	3.62	4.54	49.9	1.33	1.40	1.05	---	---	MAX
MIN	---	---	0	0.011	0.963	0.373	0.298	0.125	0.120	0.421	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.36
MAXIMUM DAILY, 49.9 ON JUL 18
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
116 AT 18:01 CST ON JUL 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 50 N
LONG 100 39 00 W
DRAINAGE AREA, 223 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	13 600
FEB	---	AUG	1 120
MAR	52.7	SEP	566
APR	4 850	OCT	1 680
MAY	4 220	NOV	---
JUN	2 710	DEC	---

TOTAL DISCHARGE, 28 800 dam³

EAST FISHER RIVER NEAR HODGSON - STATION NO. 05SD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.266B	0.330B	0.523	0.426	---	---	---	---	---	---	1
2	---	---	0.260B	0.312B	0.459	0.465	---	---	---	---	---	---	2
3	---	---	0.254B	0.296B	0.503	0.379	---	---	---	---	---	---	3
4	---	---	0.247B	0.278B	0.530	0.339	---	---	---	---	---	---	4
5	---	---	0.239B	0.260B	0.526	0.377	---	---	---	---	---	---	5
6	---	---	0.232B	0.247B	0.509	0.442	---	---	---	---	---	---	6
7	---	---	0.224B	0.234B	0.659	0.814	---	---	---	---	---	---	7
8	---	---	0.217B	0.222B	0.922	1.26	---	---	---	---	---	---	8
9	---	---	0.209B	0.208B	0.932	1.25	---	---	---	---	---	---	9
10	---	---	0.202B	1.07 B	0.811	0.976	---	---	---	---	---	---	10
11	---	---	0.194B	2.05 B	0.705	0.779	---	---	---	---	---	---	11
12	---	---	0.187B	3.03 B	0.656	0.636	---	---	---	---	---	---	12
13	---	---	0.180B	4.59 B	0.584	0.540	---	---	---	---	---	---	13
14	---	---	0.172B	7.72 B	0.533	0.445	---	---	---	---	---	---	14
15	---	---	0.165B	25.7 E	0.524	0.378	---	---	---	---	---	---	15
16	---	---	0.157B	19.8 E	0.547	0.350	---	---	---	---	---	---	16
17	---	---	0.150B	14.0 E	0.612	0.354	---	---	---	---	---	---	17
18	---	---	0.142B	8.15 E	0.671	0.314	---	---	---	---	---	---	18
19	---	---	0.135B	6.28	0.724	0.362	---	---	---	---	---	---	19
20	---	---	0.127B	4.30	0.746	0.611	---	---	---	---	---	---	20
21	---	---	0.120B	3.14	0.725	0.374	---	---	---	---	---	---	21
22	---	---	0.113B	2.47	0.594	0.313	---	---	---	---	---	---	22
23	---	---	0.105B	1.99	0.527	0.293	---	---	---	---	---	---	23
24	---	---	0.097B	1.66	0.473	0.308	---	---	---	---	---	---	24
25	---	---	0.090B	1.41	0.463	0.286	---	---	---	---	---	---	25
26	---	---	0.090B	1.27	0.429	0.282	---	---	---	---	---	---	26
27	---	---	0.110B	0.995	0.379	0.271	---	---	---	---	---	---	27
28	---	---	0.160B	0.843	0.357	0.247	---	---	---	---	---	---	28
29	---		0.280B	0.723	0.354	0.321	---	---	---	---	---	---	29
30	---		0.330B	0.579	0.368	0.280	---	---	---	---	---	---	30
31	---		0.340B		0.400		---	---		---		---	31
TOTAL	---	---	5.714	114.157	17.745	14.292	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.184	3.81	0.572	0.476	---	---	---	---	---	---	MEAN
MAX	---	---	0.340	25.7	0.932	1.26	---	---	---	---	---	---	MAX
MIN	---	---	0.090	0.208	0.354	0.280	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.25
MAXIMUM DAILY, 25.7E ON APR 15
MINIMUM DAILY, 0.090B ON MAR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 13 00 N
LONG 97 32 00 W
DRAINAGE AREA, 394 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	494	SEP	---
APR	9 860	OCT	---
MAY	1 530	NOV	---
JUN	1 230	DEC	---

TOTAL DISCHARGE, 13 100 dam³

EASTERN TRIBUTARY TO EDWARDS CREEK - STATION NO. 05LJ033

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	0 B	0.235	0.335	0.047	0.031	0.022	0.037	0.277	0.148B	1
2	0B	0B	0 B	0 B	0.232	0.179	0.046	0.148	0.023	0.050	0.233	0.124B	2
3	0B	0B	0 B	0 B	0.248	0.147	0.049	0.065	0.016	0.039	0.183	0.088B	3
4	0B	0B	0 B	0 B	0.243	0.130	0.042	0.052	0.016	0.038	0.170	0.073B	4
5	0B	0B	0 B	0 B	0.193	0.117	0.033	0.030	0.015	0.036	0.147	0.046B	5
6	0B	0B	0 B	0 B	0.141	0.109	0.027	0.026	0.019	0.037	0.138	0.026B	6
7	0B	0B	0 B	0 B	0.134	0.104	0.026	0.021	0.022	0.044	0.128	0.026B	7
8	0B	0B	0 B	0 B	0.136	0.094	0.023	0.016	0.016	0.041	0.131	0.025B	8
9	0B	0B	0 B	0 B	0.149	0.089	0.020	0.019	0.016	0.066	0.128	0.024B	9
10	0B	0B	0 B	0 B	0.319	0.084	0.017	0.017	0.016	1.03	0.117	0.016B	10
11	0B	0B	0 B	0 B	0.698	0.072	0.016	0.014	0.017	1.68	0.166	0.015B	11
12	0B	0B	0 B	0 B	0.392	0.069	0.013	0.012	0.016	0.648	0.860	0.020B	12
13	0B	0B	0 B	0.006B	0.271	0.065	0.012	0.012	0.015	0.339	0.536	0.024B	13
14	0B	0B	0 B	0.088B	0.214	0.061	0.012	0.040	0.020	0.242	0.086	0.022B	14
15	0B	0B	0 B	0.220B	0.186	0.054	0.012	0.096	0.017	0.188	0.083	0.024B	15
16	0B	0B	0 B	0.056B	0.268	0.054	0.034	0.042	0.016	0.164	0.074	0.024B	16
17	0B	0B	0 B	0.036B	0.533	0.050	0.030	0.027	0.016	0.193	0.069	0.020B	17
18	0B	0B	0 B	0.136B	0.875	0.046	0.042	0.035	0.017	0.185	0.070	0.019B	18
19	0B	0B	0 B	0.310B	0.706	0.073	0.023	0.019	0.017	0.169	0.070	0.018B	19
20	0B	0B	0 B	0.470B	0.437	0.105	0.016	0.019	0.018	0.148	0.067	0.016B	20
21	0B	0B	0 B	0.502B	0.308	0.105	0.013	0.017	0.019	0.134	0.075	0.015B	21
22	0B	0B	0 B	0.610B	0.252	0.083	0.019	0.020	0.020	0.125	0.141	0.015B	22
23	0B	0B	0 B	0.710B	0.220	0.101	0.025	0.020	0.020	0.124	0.112B	0.014B	23
24	0B	0B	0 B	0.838B	0.204	0.223	0.020	0.018	0.019	0.119	0.088B	0.014B	24
25	0B	0B	0 B	0.905B	0.184	0.138	0.013	0.034	0.021	0.110	0.077B	0.013B	25
26	0B	0B	0 B	0.468	0.167	0.108	0.014	0.021	0.023	0.106	0.046B	0.013B	26
27	0B	0B	0 B	0.394	0.151	0.079	0.012	0.017	0.025	0.097	0.030B	0.012B	27
28	0B	0B	0 B	0.350	0.136	0.064	0.061	0.016	0.081	1.50	0.056B	0.012B	28
29	0B		0.014B	0.293	0.133	0.058	0.084	0.016	0.074	1.86	0.088B	0.012B	29
30	0B		0.066B	0.257	0.168	0.052	0.031	0.014	0.043	0.554	0.124B	0.011B	30
31	0B		0.026B		0.250		0.020	0.013		0.353		0.011B	31
TOTAL	0	0	0.106	6.649	8.729	2.944	0.852	0.948	0.695	10.456	4.570	0.940	TOTAL
MEAN	0	0	0.003	0.222	0.282	0.098	0.027	0.031	0.023	0.337	0.152	0.030	MEAN
MAX	0	0	0.066	0.905	0.875	0.235	0.084	0.148	0.081	1.86	0.860	0.148	MAX
MIN	0	0	0	0	0.133	0.046	0.012	0.012	0.015	0.036	0.030	0.011	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.101
MAXIMUM DAILY, 1.86 ON OCT 29
MINIMUM DAILY, 0B ON JAN 1

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 59 03 N
LONG 100 03 35 W
DRAINAGE AREA, 14.8 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	73.6
FEB	0	AUG	81.9
MAR	9.16	SEP	60.0
APR	574	OCT	903
MAY	754	NOV	395
JUN	254	DEC	81.2

TOTAL DISCHARGE, 3 190 dam³

EDWARDS CREEK DRAIN BELOW JACKFISH CREEK - STATION NO. 05LJ047

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.045B	1.06	1.57	0.037	0.031	0.001	0.016	---	---	1
2	---	---	0 B	0 B	0.990	1.00	0.030	0.230	0.005	0.017	---	---	2
3	---	---	0 B	0 B	1.06	0.698	0.036	0.272	0.006	0.019	---	---	3
4	---	---	0 B	0 B	1.14	0.563	0.031	0.208	0.004	0.017	---	---	4
5	---	---	0 B	0 B	1.04	0.461	0.024	0.128	0	0.018	---	---	5
6	---	---	0 B	0 B	0.834	0.407	0.018	0.067	0	0.015	---	---	6
7	---	---	0 B	0 B	0.730	0.376	0.016	0.040	0.001	0.014	---	---	7
8	---	---	0 B	0 B	0.691	0.340	0.018	0.025	0.001	0.012	---	---	8
9	---	---	0 B	0 B	0.655	0.323	0.001	0.020	0.002	0.010	---	---	9
10	---	---	0 B	0 B	0.778	0.279	0.003	0.017	0	0.270	---	---	10
11	---	---	0 B	0.260B	3.04	0.218	0.001	0.010	0.002	4.32	---	---	11
12	---	---	0 B	1.89 B	2.30	0.165	0.032	0	0.001	2.35	---	---	12
13	---	---	0 B	6.52 B	1.61	0.130	0.024	0	0	1.08	---	---	13
14	---	---	0 B	17.3 B	1.24	0.103	0.021	0.004	0	0.707	---	---	14
15	---	---	0 B	11.9 B	1.08	0.114	0.023	0.038	0.002	0.532	---	---	15
16	---	---	0 B	7.04	1.61	0.121	0.145	0.036	0.009	0.488	---	---	16
17	---	---	0 B	5.13	3.27	0.149	0.109	0.020	0.013	0.585	---	---	17
18	---	---	0 B	7.20	6.08	0.107	0.084	0.019	0.010	0.573	---	---	18
19	---	---	0 B	5.90	5.42	0.086	0.079	0.016	0.009	0.499	---	---	19
20	---	---	0 B	5.15	3.61	0.118	0.037	0.013	0.007	0.414	---	---	20
21	---	---	0 B	5.31	2.36	0.211	0.023	0.002	0.006	0.368	---	---	21
22	---	---	0 B	8.16	1.59	0.316	0.023	0	0.006	0.347	---	---	22
23	---	---	0 B	14.0	1.17	0.137	0.026	0.001	0.005	0.309	---	---	23
24	---	---	0 B	10.5	1.32	0.250	0.027	0.001	0.012	0.278	---	---	24
25	---	---	0 B	5.70	0.906	0.196	0.035	0.014	0.015	0.251	---	---	25
26	---	---	0 B	3.24	0.838	0.114	0.057	0.017	0.011	0.186	---	---	26
27	---	---	0 B	2.23	0.644	0.138	0.044	0.015	0.009	0.143	---	---	27
28	---	---	0.100B	1.76	0.564	0.071	0.081	0.011	0.014	1.25	---	---	28
29	---		0.630B	1.55	0.509	0.051	0.366	0.004	0.056	8.06	---	---	29
30	---		0.568B	1.15	0.720	0.043	0.178	0	0.024	3.10	---	---	30
31	---		0.527B		1.76		0.066	0		1.61		---	31
TOTAL	---	---	1.845	121.935	50.659	8.855	1.687	1.259	0.231	27.858	---	---	TOTAL
MEAN	---	---	0.060	4.06	1.63	0.295	0.054	0.041	0.008	0.899	---	---	MEAN
MAX	---	---	0.630	17.3	6.08	1.57	0.366	0.272	0.056	8.06	---	---	MAX
MIN	---	---	0	0	0.509	0.043	0.001	0	0	0.010	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.875
MAXIMUM DAILY, 17.3B ON APR 14
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 08 30 N
LONG 99 55 20 W
DRAINAGE AREA, 311 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	146
FEB	---	AUG	109
MAR	159	SEP	20.0
APR	10 500	OCT	2 410
MAY	4 380	NOV	---
JUN	765	DEC	---

TOTAL DISCHARGE, 18 500 dam³

ELGIN CREEK NEAR SOURIS - STATION NO. 05MG012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.988B	0.293	0.092	0	0	0	0	---	---	1
2	---	---	0 B	2.01 B	0.246	0.080	0	0	0	0	---	---	2
3	---	---	0 B	0.965B	0.195	0.072	0	0	0	0	---	---	3
4	---	---	0 B	0.594B	0.160	0.066	0	0	0	0	---	---	4
5	---	---	0 B	0.492B	0.124	0.053	0	0	0	0	---	---	5
6	---	---	0 B	0.500B	0.112	0.055	0	0	0	0	---	---	6
7	---	---	0 B	0.532B	0.104	0.070	0	0	0	0	---	---	7
8	---	---	0 B	0.575B	0.097	0.059	0	0	0	0	---	---	8
9	---	---	0 B	0.637B	0.090	0.057	0	0	0	0	---	---	9
10	---	---	0 B	0.747B	0.102	0.048	0	0	0	0	---	---	10
11	---	---	0 B	2.20 B	0.115	0.042	0	0	0	0	---	---	11
12	---	---	0 B	13.3 B	0.112	0.037	0	0	0	0	---	---	12
13	---	---	0 B	23.0 B	0.115	0.030	0	0	0	0	---	---	13
14	---	---	0 B	25.0 B	0.117	0.028	0	0	0	0	---	---	14
15	---	---	0 B	24.9	0.114	0.024	0	0	0	0	---	---	15
16	---	---	0 B	11.6	0.118	0.020	0	0	0	0	---	---	16
17	---	---	0 B	8.66	0.131	0.013	0	0	0	0	---	---	17
18	---	---	0 B	6.21	0.135	0.011	0	0	0	0	---	---	18
19	---	---	0 B	4.42	0.133	0.010	0	0	0	0	---	---	19
20	---	---	0 B	3.31	0.129	0.010	0	0	0	0	---	---	20
21	---	---	0 B	2.20	0.122	0.009	0	0	0	0	---	---	21
22	---	---	0 B	1.54	0.111	0.009	0	0	0	0	---	---	22
23	---	---	0 B	1.19	0.104	0.009	0	0	0	0	---	---	23
24	---	---	0 B	1.10	0.115	0.007	0	0	0	0	---	---	24
25	---	---	0 B	0.874	0.131	0.005	0	0	0	0	---	---	25
26	---	---	0.001B	0.825	0.075	0.003	0	0	0	0	---	---	26
27	---	---	0.010B	0.710	0.124	0.002	0	0	0	0	---	---	27
28	---	---	0.060B	0.563	0.128	0.001	0	0	0	0	---	---	28
29	---		0.103B	0.452	0.131	0.001	0	0	0	0	---	---	29
30	---		0.332B	0.365	0.115	0	0	0	0	0	---	---	30
31	---		0.317B		0.102		0	0		0	---	---	31
TOTAL	---	---	0.823	140.459	4.000	0.917	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.027	4.68	0.129	0.031	0	0	0	0	---	---	MEAN
MAX	---	---	0.332	25.0	0.293	0.092	0	0	0	0	---	---	MAX
MIN	---	---	0	0.365	0.075	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.597
MAXIMUM DAILY, 25.0B ON APR 14
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
35.9B AT 17:06 CST ON APR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 28 N
LONG 100 14 05 W
DRAINAGE AREA, 1 180 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	71.1	SEP	0
APR	12 100	OCT	0
MAY	346	NOV	---
JUN	79.2	DEC	---

TOTAL DISCHARGE, 12 600 dam³

ELM CREEK CHANNEL NO. 2 NEAR ELM CREEK - STATION NO. 05OG005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.725B	0	0	---	---	---	---	---	---	1
2	---	---	0 B	0.704B	0	0	---	---	---	---	---	---	2
3	---	---	0 B	0.687B	0	0	---	---	---	---	---	---	3
4	---	---	0 B	0.670B	0	0	---	---	---	---	---	---	4
5	---	---	0 B	0.648B	0	0	---	---	---	---	---	---	5
6	---	---	0 B	0.633B	0	0	---	---	---	---	---	---	6
7	---	---	0 B	0.619B	0	0	---	---	---	---	---	---	7
8	---	---	0 B	0.602B	0	0	---	---	---	---	---	---	8
9	---	---	0 B	0.588B	0	0	---	---	---	---	---	---	9
10	---	---	0 B	0.574B	0	0	---	---	---	---	---	---	10
11	---	---	0 B	1.04 B	0	0	---	---	---	---	---	---	11
12	---	---	0 B	2.01 B	0	0	---	---	---	---	---	---	12
13	---	---	0 B	2.66 B	0	0	---	---	---	---	---	---	13
14	---	---	0 B	2.51 B	0	0	---	---	---	---	---	---	14
15	---	---	0 B	1.69	0	0	---	---	---	---	---	---	15
16	---	---	0 B	0.447	0	0	---	---	---	---	---	---	16
17	---	---	0 B	0.189	0	0	---	---	---	---	---	---	17
18	---	---	0 B	0.123	0.001	0	---	---	---	---	---	---	18
19	---	---	0 B	0.062	0	0	---	---	---	---	---	---	19
20	---	---	0 B	0.031	0	0	---	---	---	---	---	---	20
21	---	---	0 B	0.024	0	0	---	---	---	---	---	---	21
22	---	---	0 B	0.022	0	0	---	---	---	---	---	---	22
23	---	---	0 B	0.020	0	0	---	---	---	---	---	---	23
24	---	---	0 B	0.012	0	0	---	---	---	---	---	---	24
25	---	---	0 B	0.004	0.001	0	---	---	---	---	---	---	25
26	---	---	0 B	0	0	0	---	---	---	---	---	---	26
27	---	---	0 B	0	0	0	---	---	---	---	---	---	27
28	---	---	0.200B	0	0	0	---	---	---	---	---	---	28
29	---		0.500B	0	0	0	---	---	---	---	---	---	29
30	---		0.800B	0	0	0	---	---	---	---	---	---	30
31	---		0.746B		0		---	---		---	---	---	31
TOTAL	---	---	2.246	17.294	0.002	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.072	0.576	0	0	---	---	---	---	---	---	MEAN
MAX	---	---	0.800	2.66	0.001	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.160
MAXIMUM DAILY, 2.66B ON APR 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.82 AT 19:57 CST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 42 N
LONG 97 58 57 W
DRAINAGE AREA, 673 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	194	SEP	---
APR	1 490	OCT	---
MAY	0.17	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 680 dam³

ELM CREEK CHANNEL NO. 3 NEAR ELM CREEK - STATION NO. 05OG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.472B	0	0	---	---	---	---	---	---	1
2	---	---	0 B	0.444B	0	0	---	---	---	---	---	---	2
3	---	---	0 B	0.421B	0	0	---	---	---	---	---	---	3
4	---	---	0 B	0.395B	0	0	---	---	---	---	---	---	4
5	---	---	0 B	0.372B	0	0	---	---	---	---	---	---	5
6	---	---	0 B	0.350B	0	0	---	---	---	---	---	---	6
7	---	---	0 B	0.326B	0	0	---	---	---	---	---	---	7
8	---	---	0 B	0.305B	0	0	---	---	---	---	---	---	8
9	---	---	0 B	0.281B	0	0	---	---	---	---	---	---	9
10	---	---	0 B	0.262B	0	0	---	---	---	---	---	---	10
11	---	---	0 B	0.576B	0	0	---	---	---	---	---	---	11
12	---	---	0 B	1.04 B	0	0	---	---	---	---	---	---	12
13	---	---	0 B	1.28 B	0	0	---	---	---	---	---	---	13
14	---	---	0 B	0.945B	0	0	---	---	---	---	---	---	14
15	---	---	0 B	0.697	0	0	---	---	---	---	---	---	15
16	---	---	0 B	0.134	0	0	---	---	---	---	---	---	16
17	---	---	0 B	0.022	0	0	---	---	---	---	---	---	17
18	---	---	0 B	0.007	0	0	---	---	---	---	---	---	18
19	---	---	0 B	0	0	0	---	---	---	---	---	---	19
20	---	---	0 B	0	0	0	---	---	---	---	---	---	20
21	---	---	0 B	0	0	0	---	---	---	---	---	---	21
22	---	---	0 B	0	0	0	---	---	---	---	---	---	22
23	---	---	0 B	0	0	0	---	---	---	---	---	---	23
24	---	---	0 B	0	0	0	---	---	---	---	---	---	24
25	---	---	0 B	0	0	0	---	---	---	---	---	---	25
26	---	---	0 B	0	0	0	---	---	---	---	---	---	26
27	---	---	0 B	0	0	0	---	---	---	---	---	---	27
28	---	---	0.151B	0	0	0	---	---	---	---	---	---	28
29	---		0.350B	0	0	0	---	---	---	---	---	---	29
30	---		0.522B	0	0	0	---	---	---	---	---	---	30
31	---		0.498B		0		---	---		---		---	31
TOTAL	---	---	1.521	8.329	0	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.049	0.278	0	0	---	---	---	---	---	---	MEAN
MAX	---	---	0.522	1.28	0	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.081
MAXIMUM DAILY, 1.28B ON APR 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.85B AT 00:00 CST ON APR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 54 N
LONG 98 00 20 W
DRAINAGE AREA, 484 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	131	SEP	---
APR	720	OCT	---
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 851 dam³

EPINETTE CREEK NEAR CARBERRY - STATION NO. 05MM007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.108A	0.098	0.028	0.015	0.002	0.010	---	---	1
2	---	---	0B	0 B	0.126A	0.089	0.027	0.012	0.002	0.010	---	---	2
3	---	---	0B	0 B	0.160A	0.084	0.024	0.009	0.002	0.009	---	---	3
4	---	---	0B	0 B	0.149A	0.077	0.024	0.008	0.002	0.008	---	---	4
5	---	---	0B	0 B	0.108A	0.073	0.042	0.004	0.001	0.007	---	---	5
6	---	---	0B	0 B	0.110	0.092	0.050	0.006	0.001	0.008	---	---	6
7	---	---	0B	0 B	0.096	0.153	0.029	0.009	0.001	0.011	---	---	7
8	---	---	0B	0 B	0.101	0.155	0.021	0.008	0.002	0.012	---	---	8
9	---	---	0B	0 B	0.087	0.176	0.021	0.006	0.002	0.012	---	---	9
10	---	---	0B	0 B	0.146	0.211	0.022	0.004	0.001	0.015	---	---	10
11	---	---	0B	0 B	0.187	0.224	0.028	0.002	0.001	0.016	---	---	11
12	---	---	0B	0.002B	0.145	0.208	0.028	0.002	0.001	0.015	---	---	12
13	---	---	0B	0.005B	0.130	0.189	0.037	0.002	0.001	0.013	---	---	13
14	---	---	0B	0.073B	0.126	0.172	0.033	0.002	0.001	0.011	---	---	14
15	---	---	0B	0.449B	0.124	0.172	0.029	0.006	0.001	0.011	---	---	15
16	---	---	0B	0.340A	0.161	0.185	0.062	0.002	0.001	0.012	---	---	16
17	---	---	0B	0.563A	0.215	0.210	0.084	0.002	0.001	0.013	---	---	17
18	---	---	0B	1.64 A	0.265	0.173	0.050	0.004	0.001	0.013	---	---	18
19	---	---	0B	1.64 A	0.275	0.169	0.046	0.004	0	0.013	---	---	19
20	---	---	0B	1.89 A	0.273	0.151	0.055	0.004	0	0.013	---	---	20
21	---	---	0B	1.52 A	0.268	0.128	0.072	0.003	0.001	0.011	---	---	21
22	---	---	0B	1.30 A	0.251	0.123	0.109	0.002	0.002	0.014	---	---	22
23	---	---	0B	1.02 A	0.229	0.115	0.164	0.002	0.002	0.009	---	---	23
24	---	---	0B	0.820A	0.209	0.102	0.172	0.002	0.002	0.006	---	---	24
25	---	---	0B	0.676A	0.194	0.082	0.158	0.003	0.003	0.005	---	---	25
26	---	---	0B	0.474A	0.186	0.065	0.119	0.002	0.003	0.006	---	---	26
27	---	---	0B	0.393A	0.173	0.050	0.080	0.001	0.004	0.006	---	---	27
28	---	---	0B	0.308A	0.157	0.056	0.055	0.001	0.017	0.011	---	---	28
29	---		0B	0.247A	0.143	0.038	0.042	0.001	0.013	0.011	---	---	29
30	---		0B	0.174A	0.129	0.030	0.028	0.002	0.011	0.009	---	---	30
31	---		0B		0.112		0.021	0.002		0.009		---	31
TOTAL	---	---	0	13.534	5.143	3.850	1.760	0.132	0.082	0.329	---	---	TOTAL
MEAN	---	---	0	0.451	0.166	0.128	0.057	0.004	0.003	0.011	---	---	MEAN
MAX	---	---	0	1.89	0.275	0.224	0.172	0.015	0.017	0.016	---	---	MAX
MIN	---	---	0	0	0.087	0.030	0.021	0.001	0	0.005	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.101
MAXIMUM DAILY, 1.89A ON APR 20
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 44 28 N
LONG 99 19 50 W
DRAINAGE AREA, 399 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	153
FEB	---	AUG	11.4
MAR	0	SEP	7.08
APR	1 170	OCT	28.4
MAY	444	NOV	---
JUN	333	DEC	---

TOTAL DISCHARGE, 2 150 dam³

FAIRFORD RIVER NEAR FAIRFORD - STATION NO. 05LM001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.4B	15.4B	16.4B	16.6	18.5	16.8	19.3E	18.9	20.4	9.61	7.06	8.13B	1
2	15.3B	15.4B	16.4B	16.9	18.4	19.0	24.3E	18.7	19.0	9.89	6.48	8.07B	2
3	15.6B	15.6B	16.4B	23.6	18.8	22.4	26.2E	21.2	19.8	9.34	6.00A	8.00B	3
4	15.3B	15.7B	16.6B	17.6	19.2	23.3	24.3E	22.2	17.9	9.02	5.72E	8.36B	4
5	15.1B	15.8B	16.9B	17.5	19.6	25.1	22.3A	23.5	17.3	8.30	16.5 A	8.82B	5
6	15.8B	15.9B	16.8B	17.4	19.4	26.9	21.7A	22.4	19.3	7.68	16.3 E	9.36B	6
7	15.6B	15.8B	16.9B	17.3	17.1	20.8	21.1A	22.6	20.0	7.72	16.0 E	9.37B	7
8	15.7B	15.8B	16.8B	17.6	17.7	22.3	19.3E	16.2	20.4	8.52	18.7 A	9.45B	8
9	16.0B	16.0B	17.0B	17.0	16.6	22.6	17.6A	15.6	20.2	7.83	14.0 E	9.48B	9
10	15.9B	16.0B	16.8B	16.8	16.2	22.6	17.0E	17.9	19.7	6.18	8.30A	9.45B	10
11	15.9B	15.8B	16.9B	17.0	16.9	20.2	17.9E	21.0	20.7	6.30	7.64E	9.41B	11
12	16.2B	15.7B	17.0B	17.0	17.9	21.5	17.6A	24.1	20.4	43.8	9.37E	9.37B	12
13	15.9B	15.7B	16.9B	17.0	18.6	20.7	16.5E	21.8	13.9	92.9	9.01E	9.23B	13
14	15.4B	15.8B	16.9B	17.7	17.9	20.9A	16.0E	24.3	15.3	62.9 A	9.76E	8.97B	14
15	17.4B	15.9B	16.9B	17.7	15.5	20.5E	16.7	24.7	18.4	25.6 A	11.0 A	9.04B	15
16	19.4B	15.6B	16.7	17.6	17.7	18.1A	17.2	22.4	18.6	28.8	9.19E	9.22B	16
17	17.0B	15.8B	16.3	17.3	18.2	17.3E	17.8	18.1	16.3	32.0	9.37A	8.99B	17
18	16.4B	15.8B	16.7	17.3	17.8	16.5A	17.9	17.3	16.5	23.5	10.6 E	8.35B	18
19	16.0B	15.8B	16.8	17.3	16.8	18.1E	19.6	23.4	12.0	26.7	9.01A	7.78B	19
20	15.9B	15.8B	16.8	17.7	18.5	16.0E	18.2	22.3	13.5	29.6	8.82E	7.55B	20
21	15.5B	15.8B	16.9	18.1	19.7	16.5A	16.7	22.0	9.27	33.7	8.64E	7.42B	21
22	15.0B	15.7B	17.0	18.2	20.8	18.1E	16.9	20.9	9.94	32.4	8.57B	7.25B	22
23	15.0B	15.8B	17.0	18.2	22.1	18.7A	17.6	22.0	7.53	37.0	8.50B	7.60B	23
24	15.4B	15.7B	16.7	18.1	23.5	17.0E	17.8	20.1	8.21	34.8	8.43B	7.41B	24
25	15.4B	15.9B	16.6	17.8	23.8	17.6A	16.8	19.6	11.1	36.3	8.40B	7.64B	25
26	15.3B	15.9B	16.6	18.1	24.4	18.7E	16.6	19.7	8.45	22.7	8.36B	7.70B	26
27	15.4B	15.9B	16.9	18.4	23.5	17.6E	16.9	18.3	6.90	7.69	8.33B	7.62B	27
28	16.1B	16.2B	16.9	18.9	19.6	15.5E	18.0	20.1	6.75	7.57	8.26B	7.60B	28
29	15.3B		16.7	19.7	18.3	12.4E	16.1	17.8	10.8	7.70	8.20B	7.78B	29
30	15.5B		17.2	19.2	20.3	16.0E	20.0	19.2	9.87	8.02	8.16B	8.13B	30
31	15.6B		16.7		19.1		19.9	20.2		7.55		8.42B	31
TOTAL	490.7	442.0	520.1	536.6	592.4	579.7	581.8	632.5	448.42	691.62	292.68	260.87	TOTAL
MEAN	15.8	15.8	16.8	17.9	19.1	19.3	18.8	20.4	14.9	22.3	9.76	8.42	MEAN
MAX	19.4	16.2	17.2	23.6	24.4	26.9	26.2	24.7	20.7	92.9	18.7	9.48	MAX
MIN	15.0	15.4	16.3	16.6	15.5	12.4	16.0	11.3	6.75	6.18	5.72	7.25	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.6
MAXIMUM DAILY, 92.9 ON OCT 13
MINIMUM DAILY, 5.72E ON NOV 4
MAXIMUM INSTANTANEOUS,
107 AT 17:32 CST ON OCT 13

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 36 00 N
LONG 98 42 15 W
DRAINAGE AREA, 79 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1934

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	82 400	JUL	50 300
FEB	38 200	AUG	54 600
MAR	44 900	SEP	38 700
APR	46 400	OCT	59 800
MAY	51 200	NOV	25 300
JUN	50 100	DEC	22 500

TOTAL DISCHARGE, 524 000 dam³

FALCON LAKE AT FALCON LAKE - STATION NO. 05PD801

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	327.402	---	---	---	---	---	---	1
2	---	---	---	---	---	---	327.325	---	---	---	---	---	2
3	---	---	---	---	---	327.402	327.337	---	327.205	---	---	---	3
4	---	---	---	---	---	---	---	327.371	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	327.402	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	327.397	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	327.365	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	327.402	---	---	---	---	---	---	12
13	---	---	---	---	327.412	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	327.206	---	---	14
15	---	---	---	---	327.432	---	---	---	---	---	---	---	15
16	---	---	---	---	327.437	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	327.382	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	327.437	---	---	---	---	---	---	---	21
22	---	---	---	---	---	327.372	---	---	327.156	---	---	---	22
23	---	---	---	---	---	---	327.387	---	---	---	---	---	23
24	---	---	---	---	---	327.332	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	327.437	---	---	---	---	---	---	---	26
27	---	---	---	327.357	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	327.422	---	---	---	---	327.211	---	---	29
30	---		---	---	---	327.322	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 40 45 N
LONG 95 18 45 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

REGULATED SINCE 1963

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

FAMILY LAKE AT LITTLE GRAND RAPIDS - STATION NO. 05RD006

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	304.548	304.285	---	304.081	304.265	304.954	305.306	304.943	304.612	304.399	304.220	304.111	1
2	304.541	304.272	---	304.075	304.273	305.003	305.289	304.923	304.607	304.395	304.207	304.117	2
3	304.536	304.259	---	304.081	304.286	305.045	305.279	304.913	304.597	304.395A	304.191	304.124	3
4	304.521	304.254	---	304.069	304.311	305.070	305.270	304.912	304.594	---	304.180	304.122	4
5	304.517	304.245	---	304.051	304.335	305.105	305.259	304.906	304.579	---	304.177	304.121	5
6	304.505	304.246	---	304.054	304.352	305.125	305.245	304.888	304.576	---	304.180	304.106	6
7	304.488	304.247	---	304.058	304.360	305.148	305.232	304.878	304.570	---	304.173	304.103	7
8	304.478	304.239	---	304.068	304.373	305.180	305.220	304.844	304.565	---	304.167	304.094	8
9	304.463	304.228	304.089A	304.076	304.395	305.212	305.215	304.829	304.558	---	304.172	304.105	9
10	304.457	304.228	304.100	304.084	304.410	305.238	305.206	304.830	304.553	---	304.170	304.104	10
11	304.455	304.227	304.093	304.086	304.432	305.258	305.202	304.822	304.549	---	304.159	304.102	11
12	304.441	304.219A	304.101	304.097	304.462	305.270	305.187	304.808	304.540	---	304.122	304.101	12
13	304.434	---	304.106	304.091	304.471	305.295	305.165	304.796	304.525	304.329A	304.134	304.108	13
14	304.426	---	304.102	304.098	304.476	305.299	305.159	304.781	304.501	304.319	304.135	304.104	14
15	304.410	---	304.105	304.105	304.493	305.317	305.154	304.776	304.503	304.298	304.135	304.112	15
16	304.389	---	304.106	304.072	304.516	305.310	305.148	304.757	304.501	304.291	304.134	304.122	16
17	304.376	---	304.092	304.051	304.536	305.322	305.145	304.746	304.487	304.293	304.123	304.135	17
18	304.369	---	304.083	304.056	304.555	305.344	305.124	304.741	304.482	304.285	304.145	304.140	18
19	304.366	---	304.083	304.053	304.576	305.344	305.125	304.728	304.468	304.281	304.124	304.138	19
20	304.345	---	304.082	304.065	304.611	305.344	305.110	304.717	304.464	304.280	304.125	304.136	20
21	304.340	---	304.084	304.074	304.638	305.343	305.088	304.710	304.468	304.277	304.126	304.133	21
22	304.334	---	304.075	304.094	304.663	305.348	305.070	304.697	304.465	304.271	304.116	304.131	22
23	304.332	---	304.080	304.119	304.696	305.352	305.065	304.682	304.450	304.268	304.112	304.135	23
24	304.321	---	304.070	304.156	304.724	305.347	305.055	304.674	304.429	304.263	304.102	304.129	24
25	304.316	---	304.063	304.178	304.741	305.354	305.033	304.657	304.432	304.251	304.097	304.123	25
26	304.318	---	304.064	304.196	304.770	305.350	305.021	304.646	304.430	304.249	304.096	304.127	26
27	304.330	---	304.075	304.216	304.786	305.339	305.006	304.636	304.396	304.244	304.096	304.132	27
28	304.312	---	304.080	304.233	304.817	305.323	304.998	304.625	304.382	304.239	304.105	304.122	28
29	304.303		304.074	304.248	304.829	305.322	304.993	304.625	304.408	304.240	304.111	304.123	29
30	304.291		304.077	304.255	304.867	305.316	304.989	304.618	304.414	304.236	304.111	304.120	30
31	304.282		304.090		304.925		304.966	304.613		304.229		304.121	31
MEAN	304.405	---	---	304.108	304.547	305.253	305.139	304.765	304.504	---	304.141	304.119	MEAN
MAX	304.548	---	---	304.255	304.925	305.354	305.306	304.943	304.612	---	304.220	304.140	MAX
MIN	304.282	---	---	304.051	304.265	304.954	304.966	304.613	304.382	---	304.096	304.094	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 305.354 ON JUN 25
MINIMUM DAILY, 304.051 ON APR 5
MAXIMUM INSTANTANEOUS,
305.365 AT 00:29 CST ON JUN 25

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 02 30 N
LONG 95 27 30 W

A - MANUAL GAUGE

NATURAL FLOW

FISH LAKE DRAIN NEAR CAMP MORTON - STATION NO. 05SB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.18 B	1.08 E	0.827	0.160	0.183	0.066E	1.72 E	---	---	1
2	---	---	0 B	0.848B	1.07 E	0.818	0.208	0.179	0.062E	1.65 E	---	---	2
3	---	---	0 B	0.767B	1.06 E	0.814	0.242	0.167	0.058E	1.56 E	---	---	3
4	---	---	0 B	0.714B	1.05 A	0.809	0.168	0.152	0.054E	1.49 E	---	---	4
5	---	---	0 B	0.662B	1.03	0.826	0.184	0.142	0.050E	1.38 A	---	---	5
6	---	---	0 B	0.610B	1.02	0.859	0.225	0.138	0.046E	1.25	---	---	6
7	---	---	0 B	0.586B	1.02	0.913	0.215	0.125	0.042E	1.21	---	---	7
8	---	---	0 B	0.562B	1.02	0.856	0.218	0.151	0.038E	1.16	---	---	8
9	---	---	0 B	0.538B	1.03	0.837	0.212	0.157	0.034E	1.12	---	---	9
10	---	---	0 B	0.514B	1.03	0.803	0.208	0.139	0.030E	1.12	---	---	10
11	---	---	0 B	0.740B	1.03	0.786	0.211	0.127	0.026E	1.15	---	---	11
12	---	---	0 B	1.68 B	1.01	0.761	0.190	0.136	0.022E	1.08	---	---	12
13	---	---	0 B	2.70 B	1.00	0.748	0.182	0.149	0.018E	1.03	---	---	13
14	---	---	0 B	3.72 B	0.979	0.726	0.167	0.186	0.014E	1.00	---	---	14
15	---	---	0 B	4.74 B	0.594	0.703	0.164	0.223	0.010E	0.974	---	---	15
16	---	---	0 B	4.43 B	0.377	0.574	0.211	0.215	0.006E	0.967	---	---	16
17	---	---	0 B	3.85 B	0.291	0.487	0.395	0.212	0.002E	0.951	---	---	17
18	---	---	0 B	3.27 B	0.876	0.363	0.286	0.131	0.002E	0.916	---	---	18
19	---	---	0 B	2.70 B	0.901	0.349	0.261	0.114A	0.002E	0.865	---	---	19
20	---	---	0 B	2.12 B	0.885	0.323	0.238	0.112E	0.001E	0.847	---	---	20
21	---	---	0 B	1.54 A	0.881	0.298	0.217	0.110E	0.001E	0.835	---	---	21
22	---	---	0 B	1.41 E	0.871	0.275	0.210	0.106E	0.001E	0.811	---	---	22
23	---	---	0 B	1.28 E	0.864	0.253	0.562	0.103E	0.001E	0.792	---	---	23
24	---	---	0 B	1.15 A	0.864	0.241	0.397	0.098E	0.001E	0.777	---	---	24
25	---	---	0 B	1.14 E	0.859	0.228	0.250	0.094E	0.001E	0.747	---	---	25
26	---	---	0 B	1.13 E	0.852	0.225	0.219	0.090E	0 E	0.732	---	---	26
27	---	---	0 B	1.12 E	0.845	0.213	0.186	0.086E	0 E	0.706	---	---	27
28	---	---	0.499B	1.11 E	0.833	0.196	0.173	0.082E	0 E	0.705	---	---	28
29	---		1.37 B	1.10 E	0.830	0.185	0.255	0.078E	0.740E	0.701	---	---	29
30	---		1.31 B	1.09 E	0.829	0.173	0.231	0.074E	1.75 E	0.682	---	---	30
31	---		1.25 B		0.833		0.202	0.070E		0.668		---	31
TOTAL	---	---	4.420	49.061	27.714	16.389	7.247	4.128	3.078	31.596	---	---	TOTAL
MEAN	---	---	0.143	1.63	0.894	0.546	0.234	0.133	0.103	1.02	---	---	MEAN
MAX	---	---	1.37	4.74	1.08	0.913	0.562	0.223	1.75	1.72	---	---	MAX
MIN	---	---	0	0.514	0.291	0.173	0.160	0.070	0	0.668	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.586
MAXIMUM DAILY, 4.74B ON APR 15
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 11 N
LONG 97 01 03 W
DRAINAGE AREA, 632 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1965

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	626
FEB	---	AUG	357
MAR	382	SEP	266
APR	4 230	OCT	2 730
MAY	2 390	NOV	---
JUN	1 420	DEC	---

TOTAL DISCHARGE, 12 400 dam³

FISH LAKE NEAR MELEB - STATION NO. 05SD003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	260.295	260.158	260.177	260.114	---	---	---	1
2	---	---	---	---	---	260.284	260.148	260.175	260.120	---	---	---	2
3	---	---	---	---	---	260.274	260.152	260.178	260.113	---	---	---	3
4	---	---	---	---	---	260.260	260.154	260.176	260.114	---	---	---	4
5	---	---	---	---	260.436A	260.235	260.181	260.170	260.106	260.033A	---	---	5
6	---	---	---	---	---	260.233	260.202	260.167	260.097	---	---	---	6
7	---	---	---	---	---	260.243	260.198	260.166	260.096	---	---	---	7
8	---	---	---	---	---	260.242	260.195	260.161	260.100	259.971A	---	---	8
9	---	---	---	---	---	260.240	260.189	260.149	260.098	259.969	---	---	9
10	---	---	---	---	---	260.240	260.185	260.139	260.094	259.966	---	---	10
11	---	---	---	---	---	260.232	260.183	260.128	260.093	259.963	---	---	11
12	---	---	---	---	260.416A	260.225	260.180	260.117	260.083	259.961	---	---	12
13	---	---	---	---	260.419	260.211	260.174	260.126	260.083	259.961	---	---	13
14	---	---	---	---	260.413	260.205	260.168	260.130	260.075	259.953	---	---	14
15	---	---	---	---	260.412	260.196	260.165	260.156	260.074	259.940	---	---	15
16	---	---	---	---	260.413	260.197	260.170	260.151	260.072	259.926	---	---	16
17	---	---	---	---	260.416	260.195	260.210	260.148	260.074A	259.916	---	---	17
18	---	---	---	260.441A	260.417	260.197	260.209	260.150	---	259.901	---	---	18
19	---	---	---	---	260.409	260.198	260.198	260.153	---	259.888	---	---	19
20	---	---	---	---	260.401	260.205	260.197	260.145	---	259.879	---	---	20
21	---	---	---	---	260.398	260.200	260.191	260.138	---	259.867	---	---	21
22	---	---	---	---	260.388	260.196	260.184	260.136	---	259.854	---	---	22
23	---	---	---	---	260.373	260.190	260.185	260.135	---	259.842	---	---	23
24	---	---	---	---	260.368	260.199	260.192	260.135	---	259.832	---	---	24
25	---	---	---	---	260.360	260.187	260.185	260.133	---	259.821	---	---	25
26	---	---	---	---	260.349	260.183	260.177	260.129	---	259.811	---	---	26
27	---	---	---	---	260.341	260.185	260.172	260.126	---	259.801	---	---	27
28	---	---	---	---	260.332	260.178	260.175	260.115	---	259.791	---	---	28
29	---		---	---	260.321	260.171	260.198	260.120	---	259.787	---	---	29
30	---		---	---	260.304	260.164	260.195	260.117	---	259.780	---	---	30
31	---		---		260.297		260.190	260.114		259.700		---	31
MEAN	---	---	---	---	---	260.215	260.183	260.144	---	---	---	---	MEAN
MAX	---	---	---	---	---	260.295	260.210	260.178	---	---	---	---	MAX
MIN	---	---	---	---	---	260.164	260.148	260.114	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 46 N
LONG 97 19 06 W

A - MANUAL GAUGE

REGULATED SINCE 1965

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

FISHER RIVER NEAR DALLAS - STATION NO. 05SD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.548B	0.285B	0.369B	4.13B	7.52E	2.06 E	0.552	0.467	0.533	0.560	1.20	0.509	1
2	0.536B	0.279B	0.356B	3.94B	6.48E	2.04 E	0.799	0.453	0.538	0.564	1.16	0.638	2
3	0.524B	0.273B	0.341B	3.77B	5.47E	2.10 E	3.48	0.443	0.545	0.569	1.09	1.15	3
4	0.512B	0.268B	0.333B	3.57B	4.51E	2.34 E	4.67	0.423	0.521	0.630	1.05	1.65	4
5	0.500B	0.262B	0.326B	3.47B	3.79E	2.50 E	4.20	0.422	0.493	0.636	1.24	1.99	5
6	0.488B	0.257B	0.319B	3.44B	3.11A	2.83 E	4.09	0.416	0.493	0.610	1.11	1.69	6
7	0.476B	0.252B	0.313B	3.38B	3.16E	3.57 E	3.70	0.386	0.497	0.585	1.14	1.21	7
8	0.463B	0.246B	0.306B	3.36B	3.18E	4.24 E	3.02	0.372	0.528	0.577	1.15	0.820	8
9	0.451B	0.241B	0.300B	3.33B	4.34E	3.57 E	2.42	0.373	0.479	0.549	1.08	0.607	9
10	0.439B	0.236B	0.296B	3.29B	4.09E	2.83 A	1.86	0.377	0.476	0.471	0.960	0.492	10
11	0.427B	0.230B	0.290B	4.07B	3.88E	2.43	1.50	0.392	0.447	0.450	0.909	0.395	11
12	0.415B	0.225B	0.283B	5.03B	3.66E	2.00	1.26	0.392	0.435	0.460	0.850	0.367	12
13	0.403B	0.220B	0.277B	6.19B	3.44E	1.76	1.03	0.409	0.412	1.29	0.808	0.352	13
14	0.397B	0.214B	0.271B	19.5 B	3.23E	1.52	0.922	0.463	0.401	1.16	0.754	0.323	14
15	0.391B	0.209B	0.266B	37.3 A	3.01E	1.31	0.867	0.651	0.392	0.812	0.725	0.317	15
16	0.384B	0.204B	0.260B	45.8 E	3.34E	1.17	0.837	1.03	0.388	0.772	0.703	0.312	16
17	0.378B	0.198B	0.254B	49.7 E	3.66E	1.10	0.922	1.75	0.384	0.823	0.707	0.327	17
18	0.372B	0.193B	0.248B	48.4 E	3.99E	1.02	1.06	1.86	0.387	0.931	0.722	0.329	18
19	0.366B	0.346B	0.242B	47.1 E	4.34E	0.948	1.11	1.64	0.446	0.970	0.749	0.339	19
20	0.360B	0.508B	0.237B	37.2 E	4.38E	0.942	1.20	1.26	0.540	0.974	0.794	0.337	20
21	0.354B	0.500B	0.231B	27.8 E	4.34E	1.02	1.14	1.01	0.516	0.974	0.825	0.344	21
22	0.347B	0.492B	0.228B	19.1 A	3.97E	1.00	0.973	0.890	0.455	0.981	0.762	0.345	22
23	0.341B	0.480B	0.222B	15.6 A	3.64E	0.886	0.817	0.822	0.408	0.978	0.652	0.357	23
24	0.335B	0.459B	0.216B	16.2 E	3.31E	0.804	0.732	0.761	0.386	0.946	0.572	0.361	24
25	0.329B	0.439B	0.210B	18.8 E	2.99E	0.809	0.648	0.670	0.628	0.927	0.506	0.357	25
26	0.323B	0.423B	0.205B	16.9 E	2.68E	0.810	0.582	0.611	0.665	0.933	0.469	0.354	26
27	0.316B	0.402B	0.199B	15.1 E	2.38E	0.783	0.544	0.577	0.521	0.970	0.444	0.353	27
28	0.310B	0.386B	0.193B	13.5 E	2.12E	0.711	0.509	0.572	0.481	0.965	0.451	0.345	28
29	0.304B		1.33 B	11.7 E	2.09E	0.654	0.518	0.562	0.544	0.990	0.447	0.336	29
30	0.298B		4.92 B	10.2 E	2.07E	0.601	0.521	0.561	0.545	1.13	0.457	0.326	30
31	0.292B		4.78 B		2.06E		0.505	0.537		1.20		0.318	31
TOTAL	12.379	8.727	18.621	500.87	114.23	50.358	46.988	21.552	14.484	25.387	24.486	17.950	TOTAL
MEAN	0.399	0.312	0.601	16.7	3.68	1.68	1.52	0.695	0.483	0.819	0.816	0.579	MEAN
MAX	0.548	0.508	4.92	49.7	7.52	4.24	4.67	1.86	0.665	1.29	1.24	1.99	MAX
MIN	0.292	0.193	0.193	3.29	2.06	0.601	0.505	0.372	0.384	0.450	0.444	0.312	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.35
MAXIMUM DAILY, 49.7E ON APR 17
MINIMUM DAILY, 0.193B ON FEB 18

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 20 N
LONG 97 30 50 W
DRAINAGE AREA, 1 480 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 070	JUL	4 060
FEB	754	AUG	1 860
MAR	1 610	SEP	1 250
APR	43 300	OCT	2 190
MAY	9 870	NOV	2 120
JUN	4 350	DEC	1 550

TOTAL DISCHARGE, 74 000 dam³

FISHING RIVER NEAR FORK RIVER - STATION NO. 05LJ015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.43 B	0.073	0.091	0.006	0.053	0.001	0.002	---	---	1
2	---	---	0 B	0.278B	0.075	0.087	0.006	0.083	0.001	0.003	---	---	2
3	---	---	0 B	0 B	0.042	0.078	0.288	0.072	0.001	0.004	---	---	3
4	---	---	0 B	0 B	0.063	0.056	0.160	0.108	0.001	0.004	---	---	4
5	---	---	0 B	0 B	0.087	0.042	0.097	0.095	0.001	0.004	---	---	5
6	---	---	0 B	0 B	0.068	0.036	0.027	0.066	0.001	0.004	---	---	6
7	---	---	0 B	0 B	0.039	0.036	0.084	0.046	0.001	0.004	---	---	7
8	---	---	0 B	0 B	0.019	0.026	0.003	0.030	0	0.003	---	---	8
9	---	---	0 B	0 B	0.017	0.016	0.001	0.032	0	0.003	---	---	9
10	---	---	0 B	0 B	0.034	0.007	0	0.024	0	0.004	---	---	10
11	---	---	0 B	0 B	0.041	0.008	0	0.011	0	0.005	---	---	11
12	---	---	0 B	0.076B	0.046	0.007	0.010	0.007	0	0.005	---	---	12
13	---	---	0 B	0.426B	0.058	0.006	0.007	0.006	0	0.006	---	---	13
14	---	---	0 B	1.79 B	0.039	0.007	0.004	0.006	0	0.006	---	---	14
15	---	---	0 B	3.17 B	0.059	0.006	0.003	0.006	0	0.006	---	---	15
16	---	---	0 B	2.02 B	0.127	0.006	0.128	0.005	0	0.007	---	---	16
17	---	---	0 B	1.27	0.143	0.006	0.181	0.004	0	0.011	---	---	17
18	---	---	0 B	0.916	0.185	0.005	0.088	0.003	0	0.019	---	---	18
19	---	---	0 B	0.603	0.188	0.006	0.269	0.003	0	0.021	---	---	19
20	---	---	0 B	0.382	0.214	0.007	0.483	0.002	0	0.014	---	---	20
21	---	---	0 B	0.251	0.269	0.007	0.293	0.002	0	0.017	---	---	21
22	---	---	0 B	0.208	0.246	0.006	0.156	0.001	0	0.020	---	---	22
23	---	---	0 B	0.194	0.208	0.009	0.093	0.002	0	0.026	---	---	23
24	---	---	0 B	0.192	0.206	0.026	0.056	0.002	0	0.027	---	---	24
25	---	---	0 B	0.241	0.174	0.106	0.029	0.002	0	0.017	---	---	25
26	---	---	0 B	0.243	0.097	0.049	0.009	0.002	0	0.016	---	---	26
27	---	---	0 B	0.179	0.081	0.032	0.005	0.001	0	0.014	---	---	27
28	---	---	0.590B	0.137	0.068	0.020	0.004	0.001	0.001	0.057	---	---	28
29	---		2.04 B	0.099	0.065	0.014	0.102	0.001	0.001	0.178B	---	---	29
30	---		1.94 B	0.080	0.061	0.007	0.157	0.001	0.001	0.142B	---	---	30
31	---		1.69 B		0.068		0.084	0.001		0.111B		---	31
TOTAL	---	---	6.260	14.185	3.163	0.807	2.745	0.676	0.010	0.760	---	---	TOTAL
MEAN	---	---	0.202	0.473	0.102	0.027	0.089	0.022	0	0.025	---	---	MEAN
MAX	---	---	2.04	3.17	0.269	0.106	0.483	0.108	0.001	0.178	---	---	MAX
MIN	---	---	0	0	0.017	0.005	0	0.001	0	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.117
MAXIMUM DAILY, 3.17B ON APR 15
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 26 57 N
LONG 100 02 26 W
DRAINAGE AREA, 262 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	237
FEB	---	AUG	58.4
MAR	541	SEP	0.86
APR	1 230	OCT	65.7
MAY	273	NOV	---
JUN	69.7	DEC	---

TOTAL DISCHARGE, 2 480 dam³

FOOTPRINT LAKE AT NELSON HOUSE - STATION NO. 05TF001

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	242.104	---	---	242.130	241.574	243.046	243.366	243.495	243.513	243.552	1
2	---	---	242.091	---	---	242.091	241.595	243.043	243.401	243.487	243.506	243.564	2
3	---	---	242.085	---	---	242.062	241.662	243.066	243.433	243.489	243.499	243.571	3
4	---	---	242.088	---	---	242.026	241.753	243.097	243.453	243.485	243.496	243.564	4
5	---	---	242.085	---	---	241.987	241.830	243.122	243.473	243.494	243.489	243.570	5
6	---	---	242.083	---	---	241.956	241.911	243.142	243.489	243.489	243.484	243.567	6
7	---	---	242.082	---	---	241.941	241.995	243.171	243.509	243.489	243.485	243.563	7
8	---	---	242.077	---	---	241.937	242.099	243.223	243.524	243.492	243.484	243.553	8
9	---	---	242.075	---	---	241.917	242.203	243.248	243.534	243.495	243.482	243.556	9
10	---	---	242.079	---	---	241.901	242.296	243.241	243.539	243.495	243.481	243.551	10
11	242.099A	---	242.076	---	---	241.882	242.376	243.258	243.570	243.499	243.460	243.557	11
12	242.105	---	242.084	---	---	241.859	242.460	243.253	243.566	243.506	243.472	243.577	12
13	242.115	---	242.089	---	242.653A	241.833	242.536	243.248	243.560	243.509	243.473	243.592	13
14	242.124	---	242.085	---	242.644	241.799	242.596	243.222	243.566	243.508	243.471	243.611	14
15	242.133	---	242.085	---	242.635	241.770	242.646	243.183	243.561	243.502	243.470	243.625	15
16	---	---	242.086	---	242.624	241.737	242.695	243.146	243.552	243.498	243.469	243.642	16
17	---	---	242.080	---	242.619	241.721	242.730	243.108	243.551	243.496	243.466	243.668	17
18	---	---	242.083	---	242.601	241.698	242.780	243.083	243.539	243.508	243.478	243.678	18
19	---	---	242.086	---	242.584	241.670	242.815	243.021	243.542	243.510	243.476	243.682	19
20	---	---	242.094	---	242.567	241.647	242.855	242.939	243.538	243.511	243.498	243.684	20
21	---	---	242.086	---	242.549	241.632	242.881	242.873	243.528	243.503	243.509	243.688	21
22	---	---	242.083	---	242.524	241.610	242.909	242.860	243.514	243.503	243.506	243.682	22
23	---	---	242.079	---	242.495	241.597	242.940	242.906	243.505	243.504	243.503	243.691	23
24	---	242.128A	---	---	242.463	241.615	242.945A	242.977	243.506	243.507	243.498	243.695	24
25	---	242.119	---	---	242.423	241.622	242.955E	243.044	243.499	243.507	243.491	243.701	25
26	---	242.114	---	---	242.378	241.617	242.972A	243.099	243.482	243.507	243.495	243.705	26
27	---	242.110	---	---	242.329	241.607	242.990E	243.153	243.475	243.507	243.513	243.713	27
28	---	242.113	---	---	242.292	241.591	243.004A	243.201	243.458	243.508	243.527	243.721	28
29	---		---	---	242.245	241.579	243.018	243.250	243.473	243.517	243.534	243.720	29
30	---		---	---	242.207	241.572	243.028	243.292	243.490	243.524	243.542	243.726	30
31	---		---		242.169		243.039	243.325		243.518		243.736	31
MEAN	---	---	---	---	---	241.787	242.519	243.126	243.507	243.502	243.492	243.636	MEAN
MAX	---	---	---	---	---	242.130	243.039	243.325	243.570	243.524	243.542	243.736	MAX
MIN	---	---	---	---	---	241.572	241.574	242.860	243.366	243.485	243.460	243.551	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 243.736 ON DEC 31

MAXIMUM INSTANTANEOUS,
243.763 AT 19:20 CST ON DEC 31

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EST.)

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 48 00 N
LONG 98 51 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1976

DRAINAGE AREA,
1 440 km²

FOOTPRINT RIVER ABOVE FOOTPRINT LAKE - STATION NO. 05TF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.872E	0.958	0.969	0.993	3.15	11.9	8.55	3.47	5.32	5.93	6.23	4.16B	1
2	0.894E	0.969	0.970	0.968	4.72	11.8	8.33	3.34	5.34	5.89	6.19	4.07B	2
3	0.903E	0.968	0.972	0.898	6.85	11.3	8.10	3.49	5.21	6.33	6.17	4.04B	3
4	0.907E	0.960	0.975	0.802	7.81	11.3	7.85	3.56	5.26	6.42	6.26	4.01B	4
5	0.916E	0.969	0.966	0.810	7.81	11.3	7.79	3.56	5.20	6.61	6.11	3.99B	5
6	0.916E	0.962	0.967	0.823	8.72	12.1	7.75	3.47	5.03	6.47	6.06	3.96B	6
7	0.920E	0.954	0.965	0.958	9.23	12.4	7.35	3.61	4.88	6.46	6.02	3.94B	7
8	0.925E	0.945	0.962	1.00	9.42	12.3	7.08	4.03	4.78	6.41	5.82	3.89B	8
9	0.929E	0.947	0.948	1.06	9.88	12.6	6.77	3.89A	4.95	6.49	5.58	3.85B	9
10	0.938E	0.949	0.960	1.07	10.6	12.7	6.68	4.11E	4.99	6.84	5.47	3.82B	10
11	0.938E	0.956	0.959	1.09	11.7	12.8	6.56	4.46E	5.42	6.88	5.56	3.80B	11
12	0.934E	0.955	0.962	1.09	11.8	12.6	6.75	4.65E	5.51	6.76	5.11	3.77B	12
13	0.929A	0.952	0.946	1.07	12.0	12.3	6.21	4.91E	6.04	6.74	5.12	3.73B	13
14	0.940	0.934	0.960	1.08	12.4	11.8	5.89	5.04E	6.01	6.78	5.14	3.70B	14
15	0.950	0.967	0.955	1.07	12.7	11.2	5.68	5.14E	5.77	6.85	5.10	3.66B	15
16	0.961	0.948	0.963	1.09	12.5	11.2	5.77	5.30E	6.18	6.83	5.08	3.61B	16
17	0.960	0.959	0.976	1.07	12.6	10.8	5.67	5.39E	6.45	6.90	4.95	3.59B	17
18	0.953	0.961	0.973	1.08	12.7	10.5	5.23	5.52E	6.60	7.01	4.85B	3.56B	18
19	0.960	0.953	0.963	1.08	12.7	10.3	4.94	5.62E	6.79	6.91	4.78B	3.54B	19
20	0.947	0.954	0.972	1.10	12.5	10.1	4.96	5.78A	6.56	6.81	4.72B	3.51B	20
21	0.944	0.974	0.941	1.13	12.3	9.87	4.78	5.84	6.40	6.75	4.65B	3.49B	21
22	0.936	0.969	0.971	1.25	12.5	9.37	4.65	5.87	6.53	6.73	4.59B	3.47B	22
23	0.949	0.962	0.967	1.30	12.2	9.61	4.40	5.78	6.49	6.72	4.56B	3.44B	23
24	0.950	0.987	0.953	1.33	11.4	9.85	4.25	5.65	6.06	6.68	4.53B	3.40B	24
25	0.937	0.978	0.959	1.38	11.4	9.80	4.44	5.42	5.79	6.70	4.49B	3.37B	25
26	0.926	0.978	0.938	1.41	11.5	9.84	4.22	5.39	6.15	6.71	4.43B	3.35B	26
27	0.955	0.972	0.968	1.53	11.4	9.60	4.07	5.37	6.10	6.76	4.36B	3.33B	27
28	0.964	0.962	0.937	1.68	11.3	9.29	3.97	5.25	6.03	6.70	4.30B	3.30B	28
29	0.972		0.971	1.82	11.7	8.99	3.73	5.34	6.49	6.76	4.27B	3.28B	29
30	0.955		0.984	2.21	11.7	8.87	3.57	5.33	6.58	6.36	4.24B	3.25B	30
31	0.951		0.985		11.8		3.58	5.30		6.24		3.23B	31
TOTAL	29.031	26.898	29.857	35.242	330.99	328.39	179.57	148.88	176.91	205.43	154.74	113.08	TOTAL
MEAN	0.936	0.961	0.963	1.17	10.7	10.9	5.79	4.80	5.83	6.63	5.16	3.65	MEAN
MAX	0.972	0.987	0.985	2.21	12.7	12.8	8.55	5.87	6.79	7.01	6.26	4.16	MAX
MIN	0.872	0.934	0.937	0.802	3.15	8.87	3.57	3.34	4.78	5.89	4.24	3.23	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.81
MAXIMUM DAILY, 12.8 ON JUN 11
MINIMUM DAILY, 0.802 ON APR 4
MAXIMUM INSTANTANEOUS,
13.0 AT 23:59 CST ON JUN 10

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 55 50 N
LONG 98 53 10 W
DRAINAGE AREA, 598 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 510	JUL	15 500
FEB	2 320	AUG	12 900
MAR	2 580	SEP	15 100
APR	3 040	OCT	17 700
MAY	28 600	NOV	13 400
JUN	28 400	DEC	9 770

TOTAL DISCHARGE, 152 000 dam³

FORK RIVER AT ETHELBERT - STATION NO. 05LJ016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.730B	0.435	0.187	0.033E	0.192	0.015	0.070	---	---	1
2	---	---	0 B	0.102B	0.613	0.172	0.106E	0.218	0.012	0.083	---	---	2
3	---	---	0 B	0 B	0.522	0.152	0.312	0.229	0.010	0.071	---	---	3
4	---	---	0 B	0 B	0.475	0.142	0.210	0.235	0.008	0.154	---	---	4
5	---	---	0 B	0 B	0.410	0.138	0.136	0.204	0.005	0.134	---	---	5
6	---	---	0 B	0 B	0.372	0.134	0.138	0.192	0.004	0.128	---	---	6
7	---	---	0 B	0 B	0.356	0.115	0.128	0.172	0.005	0.122	---	---	7
8	---	---	0 B	0 B	0.308	0.100	0.106	0.144	0.006	0.132	---	---	8
9	---	---	0 B	0 B	0.280	0.094	0.197	0.126	0.008	0.107	---	---	9
10	---	---	0 B	0.040B	0.312	0.079	0.280	0.111	0.010	0.158	---	---	10
11	---	---	0 B	0.060B	0.280	0.070	0.440	0.102	0.010	0.162	---	---	11
12	---	---	0 B	0.120B	0.264	0.060	0.372	0.097	0.006	0.174	---	---	12
13	---	---	0 B	0.238B	0.249	0.055	0.405	0.079	0.004	0.170	---	---	13
14	---	---	0 B	0.690B	0.194	0.049	0.376	0.071	0.001	0.164	---	---	14
15	---	---	0 B	1.83 B	0.204	0.042	0.806	0.055	0.001	0.182	---	---	15
16	---	---	0 B	1.57 B	0.238	0.040	0.982	0.056	0.001	0.116	---	---	16
17	---	---	0 B	1.44 B	0.306	0.034	5.14	0.054	0.003	0.116	---	---	17
18	---	---	0 B	1.31 B	0.395	0.030	4.46	0.050	0.003	0.115	---	---	18
19	---	---	0 B	1.13 B	0.410	0.038	3.16	0.047	0.003	0.116	---	---	19
20	---	---	0 B	1.07 B	0.425	0.035	2.83	0.043	0.002	0.118	---	---	20
21	---	---	0 B	0.754B	0.445	0.031	1.98	0.042	0.001	0.111	---	---	21
22	---	---	0 B	0.762B	0.425	0.040	1.31	0.040	0	0.100	---	---	22
23	---	---	0 B	1.03	0.415	0.067	0.880	0.038	0	0.104	---	---	23
24	---	---	0 B	0.982	0.356	0.054	0.662	0.033	0	0.100	---	---	24
25	---	---	0 B	0.940	0.280	0.037	0.380	0.027	0	0.096	---	---	25
26	---	---	0 B	1.06	0.232	0.038	0.312	0.022	0	0.122	---	---	26
27	---	---	0 B	0.851	0.210	0.036	0.268	0.019	0	0.092	---	---	27
28	---	---	0.102B	0.676	0.199	0.035E	0.229	0.016	0.054	0.199	---	---	28
29	---		0.380B	0.564	0.192	0.034E	0.440	0.017	0.070	0.296	---	---	29
30	---		1.07 B	0.515	0.212	0.034E	0.308	0.015	0.078	0.235	---	---	30
31	---		0.960B		0.204		0.252	0.013		0.232		---	31
TOTAL	---	---	2.512	18.464	10.216	2.172	27.638	2.759	0.320	4.279	---	---	TOTAL
MEAN	---	---	0.081	0.615	0.330	0.072	0.892	0.089	0.011	0.138	---	---	MEAN
MAX	---	---	1.07	1.83	0.613	0.187	5.14	0.235	0.078	0.296	---	---	MAX
MIN	---	---	0	0	0.192	0.030	0.033	0.013	0	0.070	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.279
MAXIMUM DAILY, 5.14 ON JUL 17
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 31 20 N
LONG 100 23 30 W
DRAINAGE AREA, 258 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 390
FEB	---	AUG	238
MAR	217	SEP	27.6
APR	1 600	OCT	370
MAY	883	NOV	---
JUN	188	DEC	---

TOTAL DISCHARGE, 5 918 dam³

GAINSBOROUGH CREEK NEAR LYLETON - STATION NO. 05NF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.507	0.017	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.425	0.012	0	0	0	0	---	---	2
3	---	---	0B	0 B	0.353	0.001	0	0	0	0	---	---	3
4	---	---	0B	0 B	0.308	0	0	0	0	0	---	---	4
5	---	---	0B	0 B	0.258	0	0	0	0	0	---	---	5
6	---	---	0B	0 B	0.191	0	0	0	0	0	---	---	6
7	---	---	0B	0 B	0.150	0	0	0	0	0	---	---	7
8	---	---	0B	0.014B	0.135A	0	0	0	0	0	---	---	8
9	---	---	0B	0.004B	0.127E	0	0	0	0	0	---	---	9
10	---	---	0B	0.239B	0.119E	0	0	0	0	0	---	---	10
11	---	---	0B	0.522B	0.110E	0	0	0	0	0	---	---	11
12	---	---	0B	0.849B	0.100E	0	0	0	0	0	---	---	12
13	---	---	0B	1.28 B	0.093E	0	0	0	0	0	---	---	13
14	---	---	0B	1.24 B	0.085E	0	0	0	0	0	---	---	14
15	---	---	0B	3.48 B	0.078E	0	0	0	0	0	---	---	15
16	---	---	0B	4.14	0.068E	0	0	0	0	0	---	---	16
17	---	---	0B	3.36	0.063E	0	0	0	0	0	---	---	17
18	---	---	0B	2.74	0.055E	0	0	0	0	0	---	---	18
19	---	---	0B	1.00	0.046E	0	0	0	0	0	---	---	19
20	---	---	0B	4.33	0.035E	0	0	0	0	0	---	---	20
21	---	---	0B	4.38	0.030E	0	0	0	0	0	---	---	21
22	---	---	0B	3.83	0.026E	0	0	0	0	0	---	---	22
23	---	---	0B	3.26	0.021E	0	0	0	0	0	---	---	23
24	---	---	0B	2.77	0.146E	0	0	0	0	0	---	---	24
25	---	---	0B	2.35	0.110E	0	0	0	0	0	---	---	25
26	---	---	0B	0.878	0.083A	0	0	0	0	0	---	---	26
27	---	---	0B	0.191	0.046	0	0	0	0	0	---	---	27
28	---	---	0B	0.519	0.083	0	0	0	0	0	---	---	28
29	---		0B	0.616	0.027	0	0	0	0	0	---	---	29
30	---		0B	0.584	0.054	0	0	0	0	0	---	---	30
31	---		0B		0.023		0	0		0		---	31
TOTAL	---	---	0	42.656	4.015	0.030	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	1.42	0.130	0.001	0	0	0	0	---	---	MEAN
MAX	---	---	0	4.38	0.507	0.017	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0.021	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.191
MAXIMUM DAILY, 4.38 ON APR 21
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.83 AT 19:58 CST ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 45 N
LONG 101 11 00 W
DRAINAGE AREA, 1 130 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1962

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	3 690	OCT	0
MAY	347	NOV	---
JUN	2.59	DEC	---

TOTAL DISCHARGE, 4 040 dam³

GARLAND RIVER NEAR DUCK RIVER - STATION NO. 05LG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	1.56 E	0.843	0.885	1.78	0.019	0.069E	---	---	1
2	---	---	0B	0 B	1.61 E	0.954	0.092	1.47	0.011	0.250E	---	---	2
3	---	---	0B	0 B	1.53 E	1.03	0.109	1.42	0.008	0.363E	---	---	3
4	---	---	0B	0 B	1.15 E	1.08	0.140	1.40	0.008	0.694E	---	---	4
5	---	---	0B	0 B	0.832A	0.976	0.227	1.53	0.007	0.637E	---	---	5
6	---	---	0B	0 B	0.942	0.899	0.303	1.32	0.006	0.637E	---	---	6
7	---	---	0B	0.042B	0.992	0.834	0.289	1.04	0.005	0.708E	---	---	7
8	---	---	0B	0.042B	0.828	0.727	0.276	0.800	0.005	0.960E	---	---	8
9	---	---	0B	0.042B	0.749	0.672	0.181	0.655	0.004	0.951E	---	---	9
10	---	---	0B	0.042B	0.700	0.862	0.158	0.490	0.003	0.883E	---	---	10
11	---	---	0B	0.042B	0.741	0.888	0.136	0.392	0.003	0.868E	---	---	11
12	---	---	0B	0.042B	0.770	0.647	0.087	0.317	0.003	0.861E	---	---	12
13	---	---	0B	0.600B	0.767	0.476	0.112	0.264	0.002	0.839E	---	---	13
14	---	---	0B	0.700B	0.797	0.391	0.072	0.222	0.002	0.876E	---	---	14
15	---	---	0B	1.00 B	0.798	0.310	0.158	0.217	0.001	0.898E	---	---	15
16	---	---	0B	1.30 B	0.766	0.271	0.411	0.177	0.001	0.883E	---	---	16
17	---	---	0B	1.60 B	0.766	0.238	3.63	0.137	0	0.951E	---	---	17
18	---	---	0B	1.90 B	0.794	0.258	6.25	0.102	0	0.839E	---	---	18
19	---	---	0B	2.04 B	0.926	0.282	8.89	0.077	0	0.854E	---	---	19
20	---	---	0B	2.11 B	1.21	0.222	10.9	0.059	0	0.868E	---	---	20
21	---	---	0B	2.19 B	1.23	0.210	10.0	0.051	0	0.868E	---	---	21
22	---	---	0B	2.06 B	1.13	0.199	8.86	0.041	0	0.847E	---	---	22
23	---	---	0B	2.04 B	1.02	0.211	7.15	0.035	0	0.817E	---	---	23
24	---	---	0B	1.87 B	0.988	0.285	5.76	0.031	0	0.825E	---	---	24
25	---	---	0B	2.13 B	1.01	0.265	4.23	0.033	0	0.810E	---	---	25
26	---	---	0B	2.22 B	0.911	0.235	2.94	0.027	0	0.818E	---	---	26
27	---	---	0B	2.09 B	0.863	0.221	2.40	0.019	0	0.803E	---	---	27
28	---	---	0B	2.25 B	0.715	0.191	2.13	0.017	0.005	0.795E	---	---	28
29	---		0B	1.96 B	0.660	0.130	2.01	0.015	0.010	0.788E	---	---	29
30	---		0B	1.62 B	0.701	0.118	2.18	0.012	0.013	0.803B	---	---	30
31	---		0B		0.764		2.15	0.015		0.825B		---	31
TOTAL	---	---	0	31.932	29.212	14.885	81.476	10.165	0.116	23.880	---	---	TOTAL
MEAN	---	---	0	1.06	0.942	0.496	2.63	0.457	0.004	0.770	---	---	MEAN
MAX	---	---	0	2.25	1.61	1.08	10.9	1.78	0.019	0.960	---	---	MAX
MIN	---	---	0	0	0.668	0.118	0.072	0.012	0	0.069	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.799
MAXIMUM DAILY, 10.9 ON JUL 20
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
11.2 AT 21:05 CST ON JUL 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 51 08 N
LONG 100 14 58 W
DRAINAGE AREA, 438 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 040
FEB	---	AUG	1 220
MAR	0	SEP	10.0
APR	2 760	OCT	2 060
MAY	2 520	NOV	---
JUN	1 290	DEC	---

TOTAL DISCHARGE, 16 900 dam³

GAUER RIVER BELOW THORSTEINSON LAKE - STATION NO. 06PA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.80B	8.90B	9.00B	9.38B	21.2B	118	101	52.8	---	---	71.8A	39.6B	1
2	8.80B	8.90B	9.00B	9.44B	31.2B	120	97.1	50.9	---	---	68.9	39.3B	2
3	8.80B	8.90B	9.00B	9.44B	39.8B	122	92.5	46.0	---	---	66.9	38.6B	3
4	8.80B	8.90B	9.00B	9.44B	45.0B	122	90.7	44.6	---	---	65.2	37.9B	4
5	8.80B	8.90B	9.00B	9.50B	48.3B	119	87.6	42.0	---	---	62.6	37.1B	5
6	8.80B	8.90B	9.00B	9.50B	51.1E	117	83.5	43.0	---	---	62.1	36.9B	6
7	8.80B	8.90B	9.00B	9.50B	54.3E	118	76.7	41.5	---	---	60.6	36.2B	7
8	8.80B	8.90B	9.00B	9.50B	56.9E	124	80.7	42.2	---	---	59.5	35.5B	8
9	8.80B	8.90B	9.00B	9.57B	60.4E	126	82.8	44.1	---	---	58.4	35.3B	9
10	8.80B	8.90B	9.00B	9.57B	64.4E	128	79.7	45.9	---	---	58.3	34.8B	10
11	8.80B	8.90B	9.00B	9.57B	68.0E	126	78.5	46.0	---	---	56.2B	34.1B	11
12	8.80B	8.90B	9.00B	9.57B	72.8E	126	73.8	46.8	---	---	55.4B	33.6B	12
13	8.80B	8.90B	9.00B	9.57B	79.0E	125	73.5	43.7	---	---	54.3B	33.3B	13
14	8.80B	8.90B	9.00B	9.65B	84.5E	123	71.4	43.8	---	---	53.3B	32.8B	14
15	8.80B	8.90B	9.00B	9.65B	87.7E	123	71.4	43.4	---	---	52.3B	32.4B	15
16	8.80B	8.90B	9.00B	9.65B	90.6E	118	66.9	47.4	---	---	51.4B	31.9B	16
17	8.80B	8.90B	9.00B	9.65B	92.3E	115	63.7	50.4	---	---	50.4B	31.5B	17
18	8.80B	8.90B	9.00B	9.72B	93.8A	117	64.1	55.6	---	---	49.4B	31.2B	18
19	8.80B	8.90B	9.00B	9.72B	94.1	113	63.8	59.7	---	---	48.7B	30.8B	19
20	8.80B	8.90B	9.10B	9.72B	96.0	109	58.6	64.9	---	---	47.7B	30.3B	20
21	8.80B	9.00B	9.11B	9.72B	96.3	105	61.3	66.0	---	---	47.0B	29.9B	21
22	8.80B	9.00B	9.12B	9.80B	96.8	104	65.1	66.3	---	---	46.3B	29.5B	22
23	8.80B	9.00B	9.13B	9.80B	96.6	100	63.6	71.2	---	---	45.2B	29.3B	23
24	8.80B	9.00B	9.14B	9.89B	97.3	102	60.5	70.7	---	---	44.7B	29.1B	24
25	8.80B	9.00B	9.15B	9.87B	97.2	105	58.5	72.5A	---	---	43.7B	28.7B	25
26	8.90B	9.00B	9.21B	9.72B	97.6	104	58.2	---	---	---	43.2B	28.3B	26
27	8.90B	9.00B	9.21B	10.0 B	98.9	100	56.7	---	---	---	42.3B	28.1B	27
28	8.90B	9.00B	9.27B	10.2 B	102	106	55.0	---	77.8A	---	42.0B	27.9B	28
29	8.90B		9.27B	11.0 B	109	108	55.1	---	---	---	40.9B	27.5B	29
30	8.90B		9.33B	14.6 B	116	106	53.1	---	---	---	40.2B	27.1B	30
31	8.90B		9.33B		118		51.1	---		---		26.9B	31
TOTAL	273.40	250.00	281.37	295.91	2 457.1	3 449	2 196.2	---	---	---	1 588.9	1 005.4	TOTAL
MEAN	8.82	8.93	9.08	9.86	79.3	115	70.8	---	---	---	53.0	32.4	MEAN
MAX	8.90	9.00	9.33	14.6	118	128	101	---	---	---	71.8	39.6	MAX
MIN	8.80	8.90	9.00	9.38	21.2	100	51.1	---	---	---	40.2	26.9	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 128 ON JUN 10
MINIMUM DAILY, 8.80B ON JAN 1
MAXIMUM INSTANTANEOUS,
129 AT 04:54 CST ON JUN 9

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 21 00 N
LONG 97 35 52 W
DRAINAGE AREA, 5 960 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	23 600	JUL	190 000
FEB	21 600	AUG	---
MAR	24 300	SEP	---
APR	25 600	OCT	---
MAY	212 000	NOV	137 000
JUN	298 000	DEC	86 900

GIMBY CREEK NEAR CARTWRIGHT - STATION NO. 05OA015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.62 B	0.186	0.167	---	---	---	---	---	---	1
2	---	---	0 B	1.90 B	0.174	0.159	---	---	---	---	---	---	2
3	---	---	0 B	3.09 B	0.180	0.149	---	---	---	---	---	---	3
4	---	---	0 B	4.46 B	0.168	0.142	---	---	---	---	---	---	4
5	---	---	0 B	3.76 B	0.147	0.137	---	---	---	---	---	---	5
6	---	---	0 B	3.09 B	0.136	0.161	---	---	---	---	---	---	6
7	---	---	0 B	3.09 B	0.130	0.178	---	---	---	---	---	---	7
8	---	---	0 B	2.84 B	0.128	0.192	---	---	---	---	---	---	8
9	---	---	0 B	2.90 B	0.140	0.239	---	---	---	---	---	---	9
10	---	---	0 B	3.09 B	0.244	0.226	---	---	---	---	---	---	10
11	---	---	0 B	5.51 B	0.474	0.227	---	---	---	---	---	---	11
12	---	---	0 B	9.56 B	0.528	0.217	---	---	---	---	---	---	12
13	---	---	0 B	10.4 B	0.456	0.201	---	---	---	---	---	---	13
14	---	---	0 B	6.51 B	0.408	0.232	---	---	---	---	---	---	14
15	---	---	0 B	6.37 B	0.364	0.242	---	---	---	---	---	---	15
16	---	---	0 B	4.44	0.372	0.221	---	---	---	---	---	---	16
17	---	---	0 B	3.04	0.410	0.194	---	---	---	---	---	---	17
18	---	---	0 B	2.23	0.486	0.175	---	---	---	---	---	---	18
19	---	---	0 B	1.62	0.501	0.160	---	---	---	---	---	---	19
20	---	---	0 B	1.20	0.505	0.156	---	---	---	---	---	---	20
21	---	---	0 B	0.887	0.437	0.147	---	---	---	---	---	---	21
22	---	---	0 B	0.683	0.378	0.140	---	---	---	---	---	---	22
23	---	---	0 B	0.549	0.344	0.131	---	---	---	---	---	---	23
24	---	---	0 B	0.436	0.313	0.125	---	---	---	---	---	---	24
25	---	---	0 B	0.368	0.283	0.117	---	---	---	---	---	---	25
26	---	---	0 B	0.314	0.262	0.112	---	---	---	---	---	---	26
27	---	---	0 B	0.271	0.240	0.114	---	---	---	---	---	---	27
28	---	---	0.001B	0.251	0.222	0.108	---	---	---	---	---	---	28
29	---		0.002B	0.229	0.208	0.100	---	---	---	---	---	---	29
30	---		0.144B	0.208	0.193	0.094	---	---	---	---	---	---	30
31	---		2.38 B		0.179		---	---		---		---	31
TOTAL	---	---	2.527	86.916	9.156	4.943	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.082	2.90	0.295	0.165	---	---	---	---	---	---	MEAN
MAX	---	---	2.38	10.4	0.528	0.242	---	---	---	---	---	---	MAX
MIN	---	---	0	0.208	0.128	0.094	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.849
MAXIMUM DAILY, 10.4B ON APR 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
11.2B AT 16:15 CST ON APR 13

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 04 40 N
LONG 99 21 00 W
DRAINAGE AREA, 220 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	218	SEP	---
APR	7 510	OCT	---
MAY	791	NOV	---
JUN	427	DEC	---

TOTAL DISCHARGE, 8 950 dam³

GLENELLA DRAIN NEAR GLENELLA - STATION NO. 05LL026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.057B	1.80	0.330	0	0.971	0	0	---	---	1
2	---	---	0 B	0.051B	1.50	0.309	0	0.666	0	0	---	---	2
3	---	---	0 B	0.048B	1.45	0.295	0	0.483	0	0	---	---	3
4	---	---	0 B	0.043B	1.34	0.277	0	0.351	0	0	---	---	4
5	---	---	0 B	0.040B	1.20	0.263	0	0.281	0	0	---	---	5
6	---	---	0 B	0.040B	1.00	0.259	0	0.263	0	0	---	---	6
7	---	---	0 B	0.039B	0.951	0.266	0	0.222	0	0	---	---	7
8	---	---	0 B	0.036B	0.767	0.599	0	0.198	0	0	---	---	8
9	---	---	0 B	0.036B	0.653	0.644	0	0.175	0	0.083	---	---	9
10	---	---	0 B	0.035B	0.618	0.508	0	0.144	0	0.035	---	---	10
11	---	---	0 B	0.035B	0.682	0.409	0	0.108	0	0.082	---	---	11
12	---	---	0 B	0.121B	0.782	0.337	0	0.092	0	0.073	---	---	12
13	---	---	0 B	0.396B	0.689	0.296	0	0.084	0	0.247	---	---	13
14	---	---	0 B	1.89 B	0.603	0.268	0	0.075	0	0.277	---	---	14
15	---	---	0 B	6.83 B	0.582	0.249	0.328	0.042	0	0.256	---	---	15
16	---	---	0 B	8.62 B	0.729	0.224	3.87	0.014	0	0.210	---	---	16
17	---	---	0 B	7.82	1.92	0.189	4.74	0	0	0.175	---	---	17
18	---	---	0 B	7.87	2.49	0.139	3.97	0	0	0.142	---	---	18
19	---	---	0 B	7.07	1.88	0.111	3.35	0	0	0.139	---	---	19
20	---	---	0 B	7.00	1.38	0.076	2.95	0	0	0.145	---	---	20
21	---	---	0 B	6.90	1.22	0.068	2.69	0	0	0.137	---	---	21
22	---	---	0 B	6.16	1.05	0.077	2.46	0	0	0.123	---	---	22
23	---	---	0 B	6.74	0.724	0.123	2.29	0	0	0.118	---	---	23
24	---	---	0 B	6.19	0.624	0.198	2.09	0	0	0.109	---	---	24
25	---	---	0 B	5.25	0.571	0.175	1.85	0	0	0.091	---	---	25
26	---	---	0 B	4.13	0.500	0.115	1.62	0	0	0.088	---	---	26
27	---	---	0 B	3.56	0.449	0.061	1.42	0	0	0.084	---	---	27
28	---	---	0.039B	3.07	0.411	0	1.25	0	0	0.109	---	---	28
29	---		0.070B	2.59	0.382	0	1.46	0	0	0.108	---	---	29
30	---		0.078B	2.20	0.367	0	1.41	0	0	0.188	---	---	30
31	---		0.069B		0.351		1.26	0		0.286		---	31
TOTAL	---	---	0.256	94.867	29.625	6.865	39.008	4.165	0	3.225	---	---	TOTAL
MEAN	---	---	0.008	3.16	0.956	0.229	1.26	0.134	0	0.104	---	---	MEAN
MAX	---	---	0.078	8.62	2.49	0.644	4.74	0.971	0	0.286	---	---	MAX
MIN	---	---	0	0.035	0.351	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.727
MAXIMUM DAILY, 8.62B ON APR 16
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 33 37 N
LONG 99 09 23 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 370
FEB	---	AUG	360
MAR	22.1	SEP	0
APR	8 200	OCT	279
MAY	2 560	NOV	---
JUN	593	DEC	---

TOTAL DISCHARGE, 15 400 dam³

GODS LAKE AT GODS LAKE NARROWS - STATION NO. 04AC001

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	179.629	179.750	179.884	179.867A	179.849	179.830	1
2	---	---	---	---	---	---	179.645	179.754	179.882	179.879	179.840	179.835	2
3	---	---	---	---	---	---	179.649	179.756	179.888	179.879	179.850	179.844	3
4	---	---	---	---	---	---	179.644	179.758	179.888	179.910	179.843	179.841	4
5	---	---	---	---	---	---	179.648	179.758	179.892	179.901	179.846	179.845	5
6	---	---	---	---	---	---	179.668	179.760	179.889	179.877	179.840	179.842	6
7	---	---	---	---	---	---	179.667	179.777	179.887	179.890	179.844	179.845	7
8	179.563A	---	---	---	---	---	179.652	179.815	179.886	179.883	179.839	179.834	8
9	---	---	---	---	---	---	179.659	179.812	179.896	179.886	179.810	179.843	9
10	---	---	---	---	---	179.595A	179.670	179.807	179.898	179.900	179.798	179.842	10
11	---	---	---	---	---	---	179.567	179.679	179.805	179.891	179.894	179.835	179.843	11
12	---	---	---	---	---	---	179.552	179.683	179.805	179.885A	179.888	179.825	179.840	12
13	---	---	---	---	---	---	179.562	179.686	179.814	---	179.874	179.803	179.836	13
14	---	---	---	---	---	---	179.578	179.688	179.820	---	179.881	179.806	179.836	14
15	---	---	---	---	---	---	179.562	179.692	179.824	---	179.872	179.816	179.834	15
16	---	---	---	---	---	---	179.575	179.695	179.824	---	179.870	179.819	179.837	16
17	---	---	---	---	---	---	179.586	179.728	179.829	---	179.873	179.806	179.839	17
18	---	---	---	---	---	---	179.575	179.725	179.853	---	179.880	179.812	179.836	18
19	---	---	---	---	---	---	179.594	179.709	179.869	---	179.959	179.825	179.834	19
20	---	---	---	---	---	---	179.588	179.703	179.861	---	179.850	179.840	179.830	20
21	---	---	---	---	---	---	179.601	179.709	179.863	179.867A	179.854	179.845	179.838	21
22	---	---	---	---	---	---	179.612	179.714	179.866	---	179.851	179.836	179.836	22
23	---	---	---	---	---	---	179.617	179.721	179.867	---	179.849	179.839	179.832	23
24	---	---	---	---	---	---	179.616	179.721	179.870	---	179.848	179.836	179.837	24
25	---	---	178.246A	---	---	---	179.610	179.724	179.872	---	179.852	179.833	179.840	25
26	---	---	---	---	---	---	179.625	179.725	179.857	---	179.849	179.823	179.833	26
27	---	---	---	---	---	---	179.621	179.725	179.867	---	179.841	179.823	179.835	27
28	---	---	---	---	---	---	179.624	179.728	179.866	---	179.850	179.830	179.829	28
29	---		---	---	---	---	179.619	179.729	179.873	---	179.855	179.831	179.828	29
30	---		---	---	---	---	179.627	179.735	179.873	---	179.837	179.830	179.819	30
31	---		---		---			179.761	179.883		179.839		179.823	31
MEAN	---	---	---	---	---	---	---	179.694	179.826	---	179.869	179.829	179.836	MEAN
MAX	---	---	---	---	---	---	---	179.761	179.883	---	179.910	179.850	179.845	MAX
MIN	---	---	---	---	---	---	---	179.629	179.750	---	179.837	179.798	179.819	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 33 20 N
LONG 94 28 40 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY 1.755 m ADJUSTMENT TO CONVERT TO MANITOBA-ONTARIO BOUNDARY SURVEY DATUM

GODS LAKE AT OUTLET OF GODS LAKE - STATION NO. 04AC006

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	181.314	181.303	181.265	181.201	181.148	181.288	181.380	181.479	---	181.639	181.599	181.584	1
2	181.325	181.297	181.262	181.208	181.149	181.296	181.382	181.475	---	181.638	181.589	181.584	2
3	181.330	181.288	181.258	181.206	181.153	181.300	181.386	181.458	---	181.633	181.583	181.596	3
4	181.316	181.292	181.251	181.196	181.167	181.305	181.393A	181.477	---	181.607	181.578	181.589	4
5	181.316	181.293	181.247	181.189	181.182	181.319	---	181.491	---	181.633	181.577	181.596	5
6	181.326	181.296	181.239	181.181	181.175	181.335	---	181.494	---	181.637	181.583	181.593	6
7	181.323	181.288	181.238	181.180	181.178	181.326	---	181.496	---	181.627	181.577	181.590	7
8	181.328	181.289	181.233	181.175	181.195	181.317	---	181.490	---	181.636	181.577	181.587	8
9	181.319	181.299	181.236	181.169	181.202	181.337	---	181.519	---	181.634	181.576	181.586	9
10	181.327	181.295	181.238	181.170	181.191	181.346	---	181.535	---	181.618	181.573	181.582	10
11	181.327	181.287	181.237	181.164	181.214	181.325	---	181.536	---	181.622	181.584	181.584	11
12	181.321	181.280	181.236	181.165	181.223	181.333	---	181.542	---	181.633	181.552	181.584	12
13	181.319	181.284	181.241	181.161	181.224	181.338	---	181.550	---	181.632	181.560	181.586	13
14	181.322	181.276	181.240	181.150	181.237	181.335	---	181.557	---	181.620	181.558	181.583	14
15	181.329	181.278	181.229	181.143	181.221	181.342	---	181.567	---	181.612	181.549	181.582	15
16	181.327	181.268	181.228	181.147	181.229	181.348	---	181.573	---	181.616	181.558	181.584	16
17	181.309	181.267	181.226	181.140	181.232	181.342	---	181.572	---	181.604	181.550	181.589	17
18	181.299	181.278	181.221	181.138	181.231	181.334	---	181.583	---	181.600	181.558	181.593	18
19	181.303	181.269	181.217	181.137	181.241	181.349	---	181.595	---	181.610	181.540	181.594	19
20	181.306	181.274	181.216	181.137	181.247	181.353	---	181.614	181.640A	181.610	181.564	181.589	20
21	181.306	181.259	181.212	181.143	181.255	181.355	---	181.608	181.651	181.605	181.602	181.589	21
22	181.308	181.273	181.214	181.138	181.257	181.354	---	181.597	181.645	181.603	181.596	181.582	22
23	181.292	181.279	181.210	181.126	181.257	181.365	---	181.610	181.635	181.609	181.590	181.589	23
24	181.302	181.277	181.210	181.118	181.263	181.362	---	181.612	181.641	181.611	181.588	181.588	24
25	181.309	181.276	181.221	181.120	181.269	181.374	---	181.619	181.638	181.604	181.587	181.586	25
26	181.293	181.265	181.196	181.130	181.268	181.376	---	181.605	181.618	181.600	181.585	181.586	26
27	181.306	181.260	181.187	181.120	181.269	181.378	181.472A	181.605	181.617	181.596	181.578	181.585	27
28	181.311	181.253	181.202	181.129	181.272	181.373	181.473	---	181.594	181.599	181.579	181.583	28
29	181.307		181.198	181.132	181.279	181.376	181.476	---	181.614	181.603	181.584	181.580	29
30	181.306		181.189	181.137	181.280	181.389	181.483	---	181.637	181.607	181.584	181.581	30
31	181.308		181.194		181.281		181.466	---		181.600		181.581	31
MEAN	181.314	181.280	181.226	181.155	181.225	181.342	---	---	---	181.616	181.574	181.587	MEAN
MAX	181.330	181.303	181.265	181.206	181.281	181.389	---	---	---	181.639	181.602	181.596	MAX
MIN	181.292	181.253	181.187	181.118	181.148	181.288	---	---	---	181.596	181.540	181.589	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MINIMUM DAILY, 181.118 ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 49 47 N
LONG 94 05 00 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO MANITOBA-ONTARIO BOUNDARY SURVEY DATUM

GODS RIVER AT OUTLET OF GODS LAKE - STATION NO. 04AC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	130	129	124	117	111	127	138	151	172E	174	168	166	1
2	131	128	124	117	111	128	139	151	173E	174	167	166	2
3	132	127	123	117	111	128	139	148	173E	173	166	168	3
4	130	127	122	116	113	129	140A	151	174E	169	165	167	4
5	130	127	122	115	115	131	140E	153	175E	173	165	168	5
6	131	128	121	114	114	133	141E	153	175E	174	166	167	6
7	131	127	121	114	114	131	142E	154	175E	172	165	167	7
8	132	127	120	114	116	130	142E	153	175E	174	165	166	8
9	131	128	121	113	117	133	142E	157	176E	173	165	166	9
10	132	128	121	113	116	134	142E	159	176E	171	164	165	10
11	132	127	121	112	118	131	143E	159	175E	171	160	166	11
12	131	126	121	113	119	132	144E	160	175E	173	161	166	12
13	131	126	121	112	119	133	145E	161	175E	173	162	166	13
14	131	125	121	111	121	133	146E	162	175E	171	162	166	14
15	132	126	120	110	119	134	146E	163	175E	170	161	165	15
16	132	124	120	111	120	134	147E	164	175E	171	162	166	16
17	129	124	119	110	120	134	148E	164	175E	169	161	167	17
18	128	126	119	110	120	132	149E	166	174E	168	162	167	18
19	129	125	118	110	121	134	148E	168	174E	170	159	167	19
20	129	125	118	109	122	135	148E	170	174A	170	163	167	20
21	129	123	118	110	123	135	148E	169	176	169	169	167	21
22	129	125	118	110	123	135	148E	163	175	169	168	166	22
23	127	126	118	108	123	136	150E	170	173	170	167	167	23
24	128	126	118	108	124	136	150E	170	174	170	166	166	24
25	129	125	119	108	125	138	150E	171	174	169	166	166	25
26	127	124	116	109	124	138	150E	169	171	168	166	166	26
27	129	124	115	108	125	138	150A	169	171	168	165	166	27
28	130	123	117	109	125	138	151	169E	167	168	165	166	28
29	129		116	109	126	138	151	170E	170	169	166	165	29
30	129		115	110	126	140	152	171E	174	169	166	165	30
31	129		116		126		150	171E		168		165	31
TOTAL	4 029	3 526	3 703	3 347	3 707	4 008	4 519	5 034	5 216	5 290	4 933	5 154	TOTAL
MEAN	130	126	119	113	120	134	146	162	174	171	164	166	MEAN
MAX	132	129	124	117	126	140	152	171	176	174	169	168	MAX
MIN	127	123	115	108	111	127	138	148	167	168	159	165	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 144
MAXIMUM DAILY, 176E ON SEP 9
MINIMUM DAILY, 108 ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 50 14 N
LONG 94 05 11 W
DRAINAGE AREA, 25 900 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	348 000	JUL	390 000
FEB	305 000	AUG	435 000
MAR	320 000	SEP	451 000
APR	289 000	OCT	457 000
MAY	320 000	NOV	426 000
JUN	346 000	DEC	445 000

TOTAL DISCHARGE, 4 530 000 dam³

GODS RIVER NEAR SHAMATTAWA - STATION NO. 04AD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	256B	223B	197B	174B	509B	545	521E	376	459	424	442	306B	1
2	255B	222B	197B	174B	1 070B	534	515E	372	467	436	442	306B	2
3	254B	221B	196B	173B	2 130B	522	509E	354	468	453	429	303B	3
4	253B	220B	195B	173B	2 130B	517	504E	352	482	456	423	301B	4
5	252B	219B	194B	172B	2 040B	507	492E	355	492	454	424	301B	5
6	251B	219B	193B	172B	1 870A	507	485E	362	494	448	458	299B	6
7	249B	218B	192B	171B	1 800	499	479E	375	496	452	482	296B	7
8	248B	217B	192B	171B	1 700	491	472E	379	504	446	493	296B	8
9	247B	216B	191B	170B	1 620	485	466E	378	500	439	485	294B	9
10	246B	215B	190B	170B	1 490	500	459E	378	491	441	457	294B	10
11	245B	214B	190B	169B	1 380	709	454E	371	476	445	430	292B	11
12	243B	214B	189B	169B	1 330	1 030	448E	386	470	447	417	292B	12
13	242B	213B	188B	168B	1 240	1 220	442E	388	468	449	406	289B	13
14	241B	212B	187B	167B	1 180	1 310	436E	388	461	471	393	289B	14
15	240B	211B	186B	167B	1 100	1 340	430E	401	444	484	381B	287B	15
16	239B	210B	186B	166B	1 030	1 330	423E	426	432	479	376B	287B	16
17	238B	210B	185B	166B	972	1 260A	417E	443	441	436	367B	285B	17
18	237B	209B	184B	165B	918	1 200E	412E	444	421	436	362B	285B	18
19	237B	208B	183B	165B	867	1 070E	406E	433	417	440	353B	282B	19
20	236B	207B	183B	164B	822	920E	400E	443	412	435	348B	282B	20
21	235B	206B	182B	164B	807	791E	393E	451	408	431	342B	280B	21
22	233B	205B	182B	163B	778	715E	390E	446	426	428	337B	280B	22
23	232B	204B	181B	163B	748	674E	387E	451	431	429	331B	280B	23
24	231B	203B	180B	161B	718	639E	384E	454	413	430	326B	280B	24
25	230B	202B	179B	161B	684	612E	381E	458	408	430	323B	278B	25
26	229B	201B	179B	161B	651	593E	380E	464	411	426	320B	278B	26
27	228B	199B	178B	164B	616	573E	377A	472	406	427	315B	278B	27
28	227B	198B	177B	171B	595	560E	372	478	394	428	312B	275B	28
29	226B		176B	189B	592	547E	369	464	383	427	310B	275B	29
30	225B		175B	226B	582	534E	366	463	409	446	308B	273B	30
31	224B		175B		567		372	465		437		273B	31
TOTAL	7 429	5 916	5 762	5 109	34 536	22 734	13 341	12 870	13 384	13 710	11 592	8 916	TOTAL
MEAN	240	211	186	170	1 110	758	430	415	446	442	386	288	MEAN
MAX	256	223	197	226	2 130	1 340	521	478	504	484	493	306	MAX
MIN	224	198	175	161	509	485	366	352	383	424	308	273	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 425
MAXIMUM DAILY, 2 130B ON MAY 3
MINIMUM DAILY, 161B ON APR 24

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 51 00 N
LONG 92 05 55 W
DRAINAGE AREA, 65 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	642 000	JUL	1 150 000
FEB	511 000	AUG	1 110 000
MAR	498 000	SEP	1 160 000
APR	441 000	OCT	1 180 000
MAY	2 980 000	NOV	1 000 000
JUN	1 960 000	DEC	770 000

TOTAL DISCHARGE, 13 400 000 dam³

GOPHER CREEK NEAR GLADSTONE - STATION NO. 05LL024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.108B	0.003	0.001	---	---	---	---	---	---	1
2	---	---	0 B	0.110B	0.002	0	---	---	---	---	---	---	2
3	---	---	0 B	0.111B	0.002	0	---	---	---	---	---	---	3
4	---	---	0 B	0.110B	0.002	0	---	---	---	---	---	---	4
5	---	---	0 B	0.108B	0.001	0	---	---	---	---	---	---	5
6	---	---	0 B	0.106B	0.001	0.001	---	---	---	---	---	---	6
7	---	---	0 B	0.103B	0.002	0.004	---	---	---	---	---	---	7
8	---	---	0 B	0.102B	0.002	0.003	---	---	---	---	---	---	8
9	---	---	0 B	0.101B	0.001	0.002	---	---	---	---	---	---	9
10	---	---	0 B	0.104B	0.002	0.001	---	---	---	---	---	---	10
11	---	---	0 B	0.138B	0.004	0.001	---	---	---	---	---	---	11
12	---	---	0 B	0.184B	0.003	0	---	---	---	---	---	---	12
13	---	---	0 B	0.471B	0.002	0	---	---	---	---	---	---	13
14	---	---	0 B	0.957B	0.002	0	---	---	---	---	---	---	14
15	---	---	0 B	1.88 A	0.002	0	---	---	---	---	---	---	15
16	---	---	0 B	0.734	0.004	0	---	---	---	---	---	---	16
17	---	---	0 B	0.297	0.005	0	---	---	---	---	---	---	17
18	---	---	0 B	0.168	0.005	0	---	---	---	---	---	---	18
19	---	---	0 B	0.094	0.005	0	---	---	---	---	---	---	19
20	---	---	0 B	0.064	0.004	0	---	---	---	---	---	---	20
21	---	---	0 B	0.043	0.003	0	---	---	---	---	---	---	21
22	---	---	0 B	0.029	0.003	0	---	---	---	---	---	---	22
23	---	---	0 B	0.023	0.002	0	---	---	---	---	---	---	23
24	---	---	0 B	0.017	0.002	0	---	---	---	---	---	---	24
25	---	---	0 B	0.013	0.002	0	---	---	---	---	---	---	25
26	---	---	0 B	0.010	0.002	0	---	---	---	---	---	---	26
27	---	---	0 B	0.007	0.002	0	---	---	---	---	---	---	27
28	---	---	0 B	0.005	0.001	0	---	---	---	---	---	---	28
29	---		0.001B	0.004	0.001	0	---	---	---	---	---	---	29
30	---		0.002B	0.003	0.001	0	---	---	---	---	---	---	30
31	---		0.099B		0.001		---	---		---		---	31
TOTAL	---	---	0.102	6.196	0.074	0.013	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.003	0.207	0.002	0	---	---	---	---	---	---	MEAN
MAX	---	---	0.099	1.88	0.005	0.004	---	---	---	---	---	---	MAX
MIN	---	---	0	0.003	0.001	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.052
MAXIMUM DAILY, 1.88A ON APR 15
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.97A AT 12:00 CST ON APR 15

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 13 27 N
LONG 98 58 36 W
DRAINAGE AREA, 73.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	8.81	SEP	---
APR	535	OCT	---
MAY	6.39	NOV	---
JUN	1.12	DEC	---

TOTAL DISCHARGE, 551 dam³

GOPHER CREEK NEAR VIRDEN - STATION NO. 05MG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.002B	0.001	0	0.002	0	0	0	---	---	1
2	---	---	0 B	0.002B	0.001	0	0.001	0	0	0	---	---	2
3	---	---	0 B	0.003B	0.003	0.006	0	0	0	0	---	---	3
4	---	---	0 B	0.003B	0.001	0.001	0	0	0	0	---	---	4
5	---	---	0 B	0.003B	0.003	0.001	0	0	0	0	---	---	5
6	---	---	0 B	0.004B	0.003	0.002	0	0	0	0	---	---	6
7	---	---	0 B	0.004B	0.003	0.014	0	0	0	0	---	---	7
8	---	---	0 B	0.005B	0.003	0.022	0	0	0	0	---	---	8
9	---	---	0 B	0.005B	0.002	0.025	0	0	0	0	---	---	9
10	---	---	0 B	0.006B	0.006	0.022	0	0	0	0	---	---	10
11	---	---	0 B	1.32 E	0.010	0.021	0	0	0	0	---	---	11
12	---	---	0 B	2.64 E	0.010	0.020	0	0	0	0	---	---	12
13	---	---	0 B	3.97 A	0.010	0.019	0	0	0	0	---	---	13
14	---	---	0 B	5.73	0.010	0.019	0	0	0	0	---	---	14
15	---	---	0 B	4.27	0.012	0.016	0	0	0	0	---	---	15
16	---	---	0 B	3.05	0.024	0.014	0	0	0	0	---	---	16
17	---	---	0 B	2.01	0.047	0.012	0	0	0	0	---	---	17
18	---	---	0 B	1.28	0.047	0.011	0	0	0	0	---	---	18
19	---	---	0 B	0.843	0.059	0.013	0	0	0	0	---	---	19
20	---	---	0 B	0.531	0.123	0.013	0	0	0	0	---	---	20
21	---	---	0 B	0.342	0.065	0.012	0	0	0	0	---	---	21
22	---	---	0 B	0.180	0.038	0.010	0	0	0	0	---	---	22
23	---	---	0 B	0.083	0.030	0.010	0	0	0	0	---	---	23
24	---	---	0 B	0.051	0.050	0.008	0	0	0	0	---	---	24
25	---	---	0 B	0.027	0.046	0.007	0	0	0	0	---	---	25
26	---	---	0 B	0.012	0.039	0.006	0	0	0	0	---	---	26
27	---	---	0 B	0.006	0.025	0.005	0	0	0	0	---	---	27
28	---	---	0 B	0.003	0.013	0.005	0	0	0	0	---	---	28
29	---		0.001B	0.002	0.006	0.005	0	0	0	0	---	---	29
30	---		0.001B	0.001	0.001	0.004	0	0	0	0	---	---	30
31	---		0.001B		0		0	0		0		---	31
TOTAL	---	---	0.003	26.398	0.694	0.323	0.003	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.880	0.022	0.011	0	0	0	0	---	---	MEAN
MAX	---	---	0.001	5.73	0.123	0.025	0.002	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.112
MAXIMUM DAILY, 5.73 ON APR 14
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
6.27 AT 10:55 CST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 00 N
LONG 100 57 52 W
DRAINAGE AREA, 290 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.26
FEB	---	AUG	0
MAR	0.26	SEP	0
APR	2 280	OCT	0
MAY	60.8	NOV	---
JUN	27.9	DEC	---

TOTAL DISCHARGE, 2 370 dam³

GRACE LAKE NEAR THE PAS - STATION NO. 05KJ002

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	260.526A	---	---	---	260.332	260.311	260.365	260.378	1
2	260.457A	---	---	---	---	---	---	260.382A	260.331	260.313	260.362	260.381	2
3	---	---	---	---	---	---	---	---	260.332	260.318	260.362	260.396	3
4	---	260.466A	---	260.466A	---	260.554A	---	---	260.327	260.338	260.361	260.396	4
5	---	260.458A	---	---	---	---	---	---	260.325	260.339	260.360	260.402	5
6	---	---	---	---	---	---	---	---	260.325	260.341	260.361	260.402	6
7	---	---	---	---	---	---	---	260.342A	260.323	260.345	260.361	260.399	7
8	---	---	260.457A	---	260.535A	---	---	---	260.323	260.344	260.360	260.395	8
9	260.458A	---	---	---	---	---	---	---	260.323	260.345	260.359	260.401	9
10	---	---	---	---	---	---	---	---	260.323	260.346	260.364	260.403	10
11	---	---	---	260.486A	---	---	---	---	260.316	260.348	260.363	260.400	11
12	---	260.458A	---	---	---	260.544A	260.433A	---	260.315	260.348	260.361	260.402	12
13	---	---	---	---	---	---	---	260.321A	260.313	260.347	260.362	260.403	13
14	---	---	260.457A	---	---	---	---	---	260.308	260.348	260.365	260.405	14
15	---	---	---	---	260.545A	---	---	---	260.304	260.347	260.366	260.405	15
16	260.459A	---	---	---	---	260.508A	---	---	260.305	260.355	260.365	260.405	16
17	---	---	---	---	---	---	---	---	260.307	260.370	260.364	260.407	17
18	260.457A	---	---	260.486A	---	260.484A	260.413A	---	260.301	260.370	260.366	260.406	18
19	---	260.458A	260.467A	---	---	---	---	260.324A	260.301	260.365	260.367	260.409	19
20	---	---	---	---	---	260.464A	---	260.321	260.299	260.364	260.375	260.408	20
21	---	---	---	---	260.545A	---	---	260.319	260.298	260.364	260.375	260.407	21
22	---	---	---	---	---	---	---	260.317	260.299	260.369	260.375	260.406	22
23	260.459A	---	260.457A	---	---	---	260.392A	260.311	260.295	260.370	260.372	260.411	23
24	---	---	---	---	260.545A	---	---	260.315	260.293	260.368	260.370	260.412	24
25	---	---	---	260.506A	---	---	---	260.311	260.290	260.372	260.370	260.412	25
26	---	---	---	---	---	---	---	260.299	260.289	260.373	260.373	260.411	26
27	---	---	---	---	---	---	---	260.303	260.291	260.372	260.374	260.414	27
28	---	260.458A	---	---	260.545A	260.433A	---	260.308	260.299	260.370	260.378	260.414	28
29	---		260.467A	---	---	---	---	260.303	260.309	260.365	260.376	260.414	29
30	260.459A		---	260.524A	---	---	---	260.306	260.311	260.362	260.377	260.414	30
31	---		---		---		---	260.329		260.363		260.416A	31
MEAN	---	---	---	---	---	---	---	---	260.310	260.353	260.367	260.404	MEAN
MAX	---	---	---	---	---	---	---	---	260.332	260.373	260.378	260.416	MAX
MIN	---	---	---	---	---	---	---	---	260.289	260.311	260.359	260.378	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MINIMUM DAILY, 260.289 ON SEP 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 49 00 N
LONG 101 12 00 W

A - MANUAL GAUGE

REGULATED SINCE 1955

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

GRAHAM CREEK NEAR MELITA - STATION NO. 05NF008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.100B	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.050B	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.020B	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.005B	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0 B	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0 B	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0 B	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0 B	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0 B	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.020B	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.183B	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.489B	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.616B	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.756B	0	0	0	0	0	0	---	---	14
15	---	---	0 B	1.26	0	0	0.050	0	0	0	---	---	15
16	---	---	0 B	1.26	0	0	0.001	0	0	0	---	---	16
17	---	---	0 B	0.784	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.488	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.370	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.264	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.186	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0.131	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0.082	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0.064	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0.026	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0.022	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0.021	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0.019	0	0	0	0	0	0	---	---	28
29	---		0 B	0.020	0	0	0	0	0	0	---	---	29
30	---		0 B	0.002	0	0	0	0	0	0	---	---	30
31	---		0.010B		0		0	0		0		---	31
TOTAL	---	---	0.810	7.238	0	0	0.051	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.241	0	0	0.002	0	0	0	---	---	MEAN
MAX	---	---	0.810	1.26	0	0	0.050	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.030
MAXIMUM DAILY, 1.26 ON APR 15
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.46 AT 02:10 CST ON APR 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 50 N
LONG 100 59 45 W
DRAINAGE AREA, 754 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4.81
FEB	---	AUG	0
MAR	0.86	SEP	0
APR	625	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 630 dam³

GRANVILLE LAKE AT PICKEREL NARROWS - STATION NO. 06ED002

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	259.452	259.403	---	---	---	259.960	259.952	259.697	259.679	259.560	259.253	259.262	1
2	259.450	259.403	---	---	---	259.960	259.955	259.673	259.677	259.547	259.219	259.275	2
3	259.451	259.394	---	---	---	259.953	259.955	259.683	259.672	259.549	259.227	259.280	3
4	259.451	259.390	---	---	---	259.960	259.963	259.688	259.640	259.550	259.234	259.287	4
5	259.450	259.398	---	---	---	259.960	259.972	259.679	259.670	259.536	259.226	259.294	5
6	259.447	259.391	---	---	---	259.957	259.965	259.673	259.656	259.526	259.226	259.300	6
7	259.439	259.391	---	---	---	259.936	259.943	259.658	259.652	259.519	259.224	259.301	7
8	259.439	259.387	---	---	---	259.959	259.960	259.664	259.644	259.511	259.219	259.306	8
9	259.432	259.384	---	---	---	259.954	259.957	259.666	259.654	259.503	259.206	259.318	9
10	259.433	259.382	---	---	---	259.959	259.952	259.657	259.649	259.498	259.200	259.324	10
11	259.431	259.379	---	---	259.668A	259.953	259.952	259.642	259.623	259.488	259.203	259.331	11
12	259.431	259.372	---	---	259.691	259.957	259.954	259.631	259.621	259.472	259.193	259.342	12
13	259.429	259.363	---	---	259.727	259.961	259.947	259.611	259.620	259.461	259.195	259.348	13
14	259.431	259.372	---	---	259.755	259.958	259.936	259.617	259.617	259.436	259.194	259.356	14
15	259.431	259.371	---	---	259.778	259.958	259.930	259.614	259.602	259.414	259.195	259.361	15
16	259.426	259.363	---	---	259.797	259.955	259.923	259.635	259.600	259.432	259.193	259.376	16
17	259.428	259.365	---	---	259.819	259.950	259.911	259.637	259.606	259.422	259.192	259.385	17
18	259.428	259.363	---	---	259.840	259.945	259.897	259.640	259.568	259.413	259.197	259.397	18
19	259.432	259.366	---	---	259.851	259.933	259.877	259.648	259.595	259.388	259.208	259.401	19
20	259.429	259.362	---	---	259.856	259.937	259.822	259.653	259.593	259.381	259.210	259.409	20
21	259.428	259.366	---	---	259.871	259.938	259.833	259.656	259.589	259.382	259.210	259.417	21
22	259.429	259.372	---	---	259.878	259.935	259.826	259.648	259.585	259.375	259.216	259.423	22
23	259.426	---	---	---	259.876	259.923	259.813	259.641	259.582	259.362	259.215	259.433	23
24	259.426	---	---	---	259.880	259.932	259.802	259.641	259.572	259.354	259.216	259.441	24
25	259.421	---	---	---	259.884	259.945	259.795	259.622	259.565	259.349	259.218	259.451	25
26	259.418	---	---	---	259.912	259.927	259.785	259.625	259.558	259.339	259.224	259.463	26
27	259.418	---	---	---	259.926	259.926	259.772	259.644	259.563	259.331	259.229	259.468	27
28	259.416	---	---	---	259.932	259.946	259.745	259.662	259.558	259.301	259.236	259.472	28
29	259.418		---	---	259.946	259.950	259.733	259.661	259.546	259.280	259.243	259.471	29
30	259.418		---	---	259.955	259.952	259.721	259.678	259.563	259.256	259.248	259.476	30
31	259.401		259.181A		259.958		259.713	259.676		259.264		259.487	31
MEAN	259.431	---	---	---	---	259.948	259.879	259.652	259.611	259.426	259.216	259.376	MEAN
MAX	259.452	---	---	---	---	259.961	259.972	259.697	259.679	259.560	259.253	259.487	MAX
MIN	259.401	---	---	---	---	259.923	259.713	259.611	259.546	259.256	259.192	259.262	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 259.972 ON JUL 5

MAXIMUM INSTANTANEOUS,
259.977 AT 00:40 CST ON JUL 6

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 13 46 N
LONG 100 35 00 W

A - MANUAL GAUGE

REGULATED SINCE 1930

DRAINAGE AREA,
242 000 km²

GRASS RIVER ABOVE STANDING STONE FALLS - STATION NO. 05TD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	56.2	55.5	45.8	36.9	39.8	101	120	99.7	83.2	68.2	53.3	46.6	1
2	56.1	55.0	45.5	36.6	42.7	103	116	93.6	83.4	66.1	53.0	46.5	2
3	56.0	54.6	44.8	36.7	46.9	107	116	91.3	82.9	64.7	52.7	47.9	3
4	55.8A	54.7	44.6	36.2	51.9	105	118	96.7	82.6	60.7	51.9	47.7	4
5	56.8	54.0	44.0	35.9	57.9	108	118	99.6	80.8	63.4	51.2	47.5	5
6	56.9	52.9	44.0	35.4	61.9	107	115	99.6	80.3	62.8	50.8	47.8	6
7	56.8	52.4	43.5	35.4	65.3	109	119	97.1	81.5	60.9	51.3	48.8	7
8	56.7	52.2	43.0	35.0	68.8	111	118	98.0	81.6	61.8	50.7	47.8	8
9	56.2	51.5	42.6	35.0	71.2	113	117	99.7	78.4	61.5	50.8	47.5	9
10	56.5	51.5	42.6	35.4	73.6	114	116	101	75.5	59.2	50.1	47.6	10
11	56.9	50.7	42.8	34.8	75.6	114	114	101	82.1	59.8	49.8	47.3	11
12	56.9	50.7	42.6	35.0	78.3	114	113	99.7	78.3	61.0	49.9	47.3	12
13	56.5	50.3	43.7	34.2	78.6	115	114	100	75.2	61.5	49.4	47.5	13
14	56.5	49.9	43.3	33.8	79.4	115	114	97.5	77.4	59.4	49.0	47.2	14
15	56.6	50.2	42.5	33.9	80.1	117	113	101	79.1	59.2	48.9	47.1	15
16	56.8	49.3	42.8	34.4	81.7	114	111	97.2	74.1	56.9	48.8	46.5	16
17	56.9	49.0	42.2	34.1	84.6	118	107	96.4	73.0	52.1	48.4	45.3	17
18	56.5	48.9	41.8	33.8	81.8	116	110	95.5	72.1	55.8	48.1	45.5	18
19	55.9	48.2	41.7	33.6	83.5	117	110	94.0	72.2	58.9	48.7	45.5	19
20	55.5	48.2	41.3	33.4	88.2	118	116	93.8	73.4	58.8	48.8	45.3	20
21	55.8	48.3	40.9	33.0	89.2	118	111	93.8	72.8	56.6	49.4	45.3	21
22	55.7	48.5	40.1	33.2	90.5	119	109	92.2	69.1	55.6	49.2	44.9	22
23	55.3	48.9	39.4	32.8	91.2	119	111	91.6	67.9	55.2	49.2	45.1	23
24	55.1	47.8	39.1	33.1	93.2	121	108	91.9	69.9	56.6	49.0	45.2	24
25	54.0	47.3	38.7	33.3	91.9	122	106	92.4	69.9	54.9	49.0	45.1	25
26	53.9	47.5	38.0	33.4	88.2	122	106	90.7	64.5	54.6	48.8	45.1	26
27	54.4	46.8	37.5	33.1	89.7	122	105	88.0	63.6	54.0	48.8	45.1	27
28	55.1	45.8	37.9	33.9	93.6	118	106	86.3	55.6	52.8	48.2	44.9	28
29	55.3		37.0	35.0	94.8	120	104	85.7	57.2	55.2	47.7	44.7	29
30	55.1		36.8	37.4	96.9	119	103	85.6	65.6	59.0	47.1	45.0	30
31	55.0		37.3		98.9		99.6	83.1		55.7		45.0	31
TOTAL	1 733.7	1 410.6	1 287.8	1 037.7	2 409.9	3 438	3 463.6	2 933.7	2 223.0	1 822.9	1 492.0	1 434.8	TOTAL
MEAN	55.9	50.4	41.5	34.6	77.7	115	112	94.6	74.1	58.8	49.7	46.3	MEAN
MAX	56.9	55.5	45.8	37.4	98.9	122	120	101	83.4	68.2	53.3	48.0	MAX
MIN	53.9	45.8	36.8	32.8	39.8	101	99.6	83.1	55.6	52.1	47.1	44.7	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 67.6
MAXIMUM DAILY, 122 ON JUN 25
MINIMUM DAILY, 32.8 ON APR 23
MAXIMUM INSTANTANEOUS,
125 AT 11:50 CST ON JUN 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 44 35 N
LONG 97 00 00 W
DRAINAGE AREA, 15 400 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	150 000	JUL	299 000
FEB	122 000	AUG	253 000
MAR	111 000	SEP	192 000
APR	89 700	OCT	157 000
MAY	208 000	NOV	129 000
JUN	297 000	DEC	124 000

TOTAL DISCHARGE, 2 130 000 dam³

GRASS RIVER AT WEKUSKO FALLS - STATION NO. 05TB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.10E	6.97E	6.63	6.88E	8.34	12.7	13.1	10.1	8.33	6.71	6.00	5.33	1
2	7.07E	6.97A	6.66	6.88E	8.71	12.7	13.0	9.82	8.24	6.56	5.84	5.32	2
3	7.07E	6.88	6.60	6.88E	8.88	13.3	13.1	9.81	8.30	6.39	5.71	5.50	3
4	7.07E	6.77	6.62	6.90E	9.16	13.2	13.0	10.0	8.05	6.10	5.68	5.37	4
5	7.07E	6.76	6.56	6.90E	9.49	13.4	13.0	10.1	7.92	6.45	5.70	5.44	5
6	7.07E	6.70	6.41	6.90E	9.58	13.5	12.8	10.3	7.89	6.31	5.61	5.50	6
7	7.07E	6.68	6.55	6.90E	9.65	13.1	12.9	10.2	7.87	6.27	5.60	5.47	7
8	7.05E	6.75	6.46	6.92E	9.88	13.5	12.8	10.0	7.75	6.30	5.65	5.48	8
9	7.05E	6.71	6.40	6.92E	9.97	13.6	12.6	10.1	7.60	6.22	5.87	5.44	9
10	7.05E	6.77	6.35	6.92E	10.2	13.7	12.4	10.2	7.69	6.07	5.90	5.45	10
11	7.05E	6.74	6.34	6.95E	10.3	13.8	12.3	10.1	8.05	6.13	5.18	5.38	11
12	7.05E	6.63	6.40	6.95E	10.4	13.8	12.1	9.93	7.63	6.32	5.22	5.36	12
13	7.05E	6.69	6.55	6.95E	10.5	13.7	12.1	9.92	7.44	6.38	5.21	5.29	13
14	7.03E	6.81	6.50	6.95E	10.4	13.6	12.0	9.55	7.58	6.26	5.20	5.37	14
15	7.03E	6.85	6.57	6.97E	10.3	13.6	11.7	9.78	7.55	6.22	5.18	5.37	15
16	7.03E	6.84	6.78A	6.97E	10.5	13.0	11.6	9.55	7.14	6.05	5.21	5.45	16
17	7.03E	6.94	6.78E	6.97E	10.8	13.6	11.0	9.43	7.27	5.98	5.03	5.68	17
18	7.03E	6.94	6.80E	6.99E	10.8	13.5	11.6	9.37	7.04	6.18	5.20	5.68	18
19	7.01E	6.98	6.80E	6.99E	10.9	13.4	11.6	9.18	7.17	6.30	5.03	5.61	19
20	7.01E	6.82	6.80E	6.99E	11.3	13.3	11.5	9.13	7.28	6.40	5.30	5.57	20
21	7.01E	6.74	6.80E	7.01E	11.6	13.5	11.2	8.96	7.19	6.17	5.36	5.60	21
22	7.01E	6.77	6.82E	7.01E	11.6	13.4	11.0	8.78	6.84	6.11	5.29	5.60	22
23	7.01E	6.78	6.82E	7.01E	11.6	13.6	11.4	8.73	6.80	6.18	5.23	5.65	23
24	7.01E	6.67	6.82E	7.01E	11.6	14.0	11.0	8.61	6.98	6.15	5.22	5.76	24
25	6.99E	6.69	6.84E	7.03E	11.7	13.9	10.7	8.51	6.79	6.11	5.21	5.85	25
26	6.99E	6.65	6.84E	7.03A	11.6	13.9	10.8	8.29	6.40	6.08	5.21	5.74	26
27	6.99E	6.75	6.84E	7.20	11.2	13.9	10.8	8.16	6.18	6.07	5.14	5.76	27
28	6.99E	6.73	6.86E	7.47	11.7	13.3	10.9	8.02	5.74	6.01	5.19	5.80	28
29	6.99E		6.86E	7.91	11.5	13.4	11.0	8.15	6.26	6.12	5.17	5.67A	29
30	6.99E		6.86E	8.14	11.9	13.5	10.9	8.06	6.55	6.23	5.21	5.67E	30
31	6.97E		6.86E		12.4		10.3	8.03		6.12		5.67E	31
TOTAL	217.94	189.98	206.86	211.50	328.46	404.4	366.2	288.87	219.52	192.95	161.55	171.83	TOTAL
MEAN	7.03	6.79	6.67	7.05	10.6	13.5	11.8	9.32	7.32	6.22	5.39	5.54	MEAN
MAX	7.10	6.98	6.86	8.14	12.4	14.0	13.1	10.3	8.33	6.71	6.00	5.85	MAX
MIN	6.97	6.63	6.34	6.88	8.34	12.7	10.3	8.02	5.74	5.98	5.03	5.29	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.11
MAXIMUM DAILY, 14.0 ON JUN 24
MINIMUM DAILY, 5.03 ON NOV 17
MAXIMUM INSTANTANEOUS,
14.3 AT 12:26 CST ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 47 20 N
LONG 99 50 10 W
DRAINAGE AREA, 3 290 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	18 800	JUL	31 600
FEB	16 400	AUG	25 000
MAR	17 900	SEP	19 000
APR	18 300	OCT	16 700
MAY	28 400	NOV	14 000
JUN	34 900	DEC	18 800

TOTAL DISCHARGE, 256 800 dam³

GRASSMERE DRAIN NEAR MIDDLECHURCH - STATION NO. 05OJ017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	4.10 B	0.017	0.007E	0.026	0.010	0	0.020	---	---	1
2	---	---	0 B	3.16 B	0.164	0.001E	0.024	0.010	0	0.023	---	---	2
3	---	---	0 B	2.37 B	0.120A	0 E	0.034	0.009	0	0.016	---	---	3
4	---	---	0 B	2.15 B	0.112E	0 E	0.027	0.006	0.042	0.013	---	---	4
5	---	---	0 B	2.07 B	0.100E	0 E	0.035	0.004	0.053	0.011	---	---	5
6	---	---	0 B	2.00 B	0.080E	0 E	0.042	0.003	0.053	0.007	---	---	6
7	---	---	0 B	1.85 B	0.056E	0.108E	0.033	0.001	0.053	0.050	---	---	7
8	---	---	0 B	1.78 B	0.035E	0.096E	0.083	0	0.035	0.064	---	---	8
9	---	---	0 B	1.85 B	0.020E	0.088E	0.103	0	0.023	0.055	---	---	9
10	---	---	0 B	1.93 B	0.013E	0.072E	0.078	0	0.016	0.070	---	---	10
11	---	---	0 B	5.99 B	0.010E	0.049E	0.061	0	0.013	0.198	---	---	11
12	---	---	0 B	12.6 B	0.042E	0.028E	0.052	0	0.011	0.217	---	---	12
13	---	---	0 B	14.6 B	0.035E	0.020E	0.051	0	0.009	0.152	---	---	13
14	---	---	0 B	6.16 B	0.032E	0.016E	0.035	0	0.008	0.101	---	---	14
15	---	---	0 B	4.35 B	0.028E	0.013E	0.025	0.001	0.006	0.073	---	---	15
16	---	---	0 B	2.80 B	0.024E	0.010A	0.021	0	0.004	0.051	---	---	16
17	---	---	0 B	1.91 A	0.020E	0.006	0.038	0	0.003	0.061	---	---	17
18	---	---	0 B	1.27 E	0.016E	0.005	0.028	0.054	0.005	0.060	---	---	18
19	---	---	0 B	0.764E	0.013E	0.004	0.021	0.077	0.005	0.056	---	---	19
20	---	---	0 B	0.419A	0.010E	0.100	0.016	0.026	0.005	0.049	---	---	20
21	---	---	0 B	0.352	0.035E	0.225	0.013	0.013	0.004	0.035	---	---	21
22	---	---	0 B	0.269	0.056E	0.189	0.010	0.013	0.004	0.032	---	---	22
23	---	---	0 B	0.200	0.049E	0.158	0.008	0.023	0.005	0.026	---	---	23
24	---	---	0 B	0.140	0.046E	0.133	0.008	0.013	0.005	0.017	---	---	24
25	---	---	0 B	0.091	0.042E	0.105	0.005	0.012	0.005	0.014	---	---	25
26	---	---	0 B	0.072	0.035E	0.097	0.004	0.008	0.004	0.011	---	---	26
27	---	---	0 B	0.050	0.024E	0.085	0.001	0.005	0.004	0.009	---	---	27
28	---	---	0.225B	0.034	0.016E	0.071	0.002	0.002	0.018	0.009	---	---	28
29	---		1.79 B	0.023	0.100E	0.054	0.034	0.001	0.043	0.010	---	---	29
30	---		6.20 B	0.019	0.012E	0.038	0.025	0	0.047	0.009	---	---	30
31	---		5.36 B		0.010E		0.014	0		0.005		---	31
TOTAL	---	---	13.575	75.373	1.372	1.778	0.957	0.291	0.483	1.524	---	---	TOTAL
MEAN	---	---	0.438	2.51	0.044	0.059	0.031	0.009	0.016	0.049	---	---	MEAN
MAX	---	---	6.20	14.6	0.164	0.225	0.103	0.077	0.053	0.217	---	---	MAX
MIN	---	---	0	0.019	0.010	0	0.001	0	0	0.005	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.389
MAXIMUM DAILY, 14.6B ON APR 13
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 00 08 N
LONG 97 07 01 W
DRAINAGE AREA, 871 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	82.7
FEB	---	AUG	25.1
MAR	1 170	SEP	41.7
APR	6 510	OCT	132
MAY	119	NOV	---
JUN	154	DEC	---

TOTAL DISCHARGE, 8 230 dam³

GUNISAO RIVER ABOVE DIAMOND RAPIDS - STATION NO. 05UA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.1 B	8.31B	4.96B	3.59B	---	60.1	31.1	25.2	14.8	15.2	30.6	15.3	1
2	14.8 B	8.11B	4.85B	3.56B	---	64.8	30.1	24.9	15.0	16.2	30.2	15.1B	2
3	14.5 B	7.90B	4.81B	3.56B	---	66.1	29.0	24.8	14.7	17.0	29.6	15.0B	3
4	14.3 B	7.80B	4.66B	3.53B	---	67.8	28.1	24.9	14.5	19.1	28.7	14.9B	4
5	14.1 B	7.60B	4.59B	3.53B	---	68.4	28.1	24.7	14.1	21.9	27.5	14.8B	5
6	13.7 B	7.46B	4.52B	3.53B	---	68.9	30.1	24.0	13.8	22.9	26.8	14.7B	6
7	13.4 B	7.33B	4.48B	3.53B	---	67.1	31.3	24.0	13.6	24.4	26.2	14.6B	7
8	13.2 B	7.23B	4.44B	3.56B	---	63.8	31.0	24.5	13.2	25.8	25.4	14.5B	8
9	12.8 B	7.10B	4.41B	3.56B	---	60.8	30.2	24.3	13.0	26.8	24.7	14.4B	9
10	12.6 B	6.96B	4.33B	3.59B	---	58.3	29.1	23.7	12.8	27.4	24.4	14.4B	10
11	12.3 B	6.87B	4.30B	3.66B	---	55.8	28.0	23.0	13.0	27.7	23.6	14.2B	11
12	12.1 B	6.69B	4.26B	3.69B	---	53.9	27.1	22.4	12.9	27.6	22.0	14.1B	12
13	11.7 B	6.55B	4.22B	3.72B	---	51.7	26.1	22.1	12.5	27.6	20.7	14.0B	13
14	11.6 B	6.46B	4.15B	3.79B	---	49.4	25.1	21.4	12.1	27.2	19.6	13.9B	14
15	11.3 B	6.32B	4.08B	3.90B	---	47.4	24.1	20.9	11.8	26.5	18.8	13.8B	15
16	11.0 B	6.23B	4.04B	4.08B	---	45.4	23.7	20.2	11.5	25.8	18.2	13.6B	16
17	10.9 B	6.10B	3.97B	4.44B	---	44.3	27.7	19.6	11.4	25.4	17.6	13.6B	17
18	10.7 B	6.02B	3.93B	5.21B	---	42.7	37.6	19.0	11.4	25.5	17.4	13.5B	18
19	10.5 B	5.89B	3.93B	6.28B	---	41.6	39.5	18.4	11.4	25.1	17.0	13.3B	19
20	10.4 B	5.81B	3.90B	7.42B	---	42.0	40.1	17.9	11.3	24.7	17.1	13.3B	20
21	10.2 B	5.72B	3.86B	9.11	56.0A	40.8	39.6	17.5	11.0	24.4	16.8	13.2B	21
22	9.94B	5.64B	3.82B	13.2	56.3	39.3	38.3	16.9	10.7	24.4	16.5	13.1B	22
23	9.79B	5.55B	3.79B	21.2 A	55.7	38.5	36.9	16.4	10.5	24.5	16.4	13.0B	23
24	9.59B	5.42B	3.76B	---	54.9	39.4	35.0	16.1	10.3	24.8	16.2	12.9B	24
25	9.43B	5.30B	3.72B	---	53.7	38.7	33.6	15.9	10.0	25.0	16.1	12.8B	25
26	9.18B	5.25B	3.69B	---	52.1	37.3	32.0	15.4	9.64	25.2	15.7	12.7B	26
27	9.02B	5.17B	3.66B	---	50.0	36.3	30.6	15.0	9.60	25.2	15.7	12.6B	27
28	8.92B	5.08B	3.66B	---	49.5	34.8	29.3	14.7	9.56	25.9	15.8	12.5B	28
29	8.82B		3.62B	---	47.8	33.9	28.4	14.6	12.5	29.0	15.6	12.4B	29
30	8.62B		3.59B	---	47.2	32.3	27.6	14.5	14.4	30.4	15.4	12.3B	30
31	8.46B		3.59B		50.8		26.3	14.4		30.7		12.2B	31
TOTAL	352.97	181.87	127.59	---	---	1 491.6	954.7	621.3	367.00	769.3	626.3	424.7	TOTAL
MEAN	11.4	6.50	4.12	---	---	49.7	30.8	20.0	12.2	24.8	20.9	13.7	MEAN
MAX	15.1	8.31	4.96	---	---	68.9	40.1	25.2	15.0	30.7	30.6	15.3	MAX
MIN	8.46	5.08	3.59	---	---	32.3	23.7	14.4	9.56	15.2	15.4	12.2	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 3.53B ON APR 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 47 10 N
LONG 97 40 20 W
DRAINAGE AREA, 4 400 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	30 500	JUL	82 500
FEB	15 700	AUG	53 700
MAR	11 000	SEP	31 700
APR	---	OCT	66 500
MAY	---	NOV	54 100
JUN	129 000	DEC	36 700

HAYES RIVER BELOW GODS RIVER - STATION NO. 04AB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	538B	488B	443B	392B	1 100B	965E	909	554	781	675	705	499B	1
2	537B	486B	441B	391B	1 620B	945E	871	561	779	730	706E	495B	2
3	535B	485B	439B	389B	2 180B	930E	830	553	779	756	706E	492B	3
4	534B	483B	438B	387B	3 030B	920E	791	537	780	774	706E	488B	4
5	532B	482B	436B	386B	3 050B	905E	762	537	788	776	698E	485B	5
6	530B	480B	434B	384B	3 040B	900E	752	537	794	773	689E	482B	6
7	529B	479B	433B	383B	3 000B	890E	721	541	792	769	677E	478B	7
8	527B	477B	431B	381B	2 890E	880E	705	547	787	762	663E	474B	8
9	526B	475B	430B	379B	2 760E	877	703	545	788	757	650E	472B	9
10	524B	474B	428B	378B	2 640E	874	696	553	781	759	637E	469B	10
11	522B	472B	426B	376B	2 490E	961	672	563	774	755	623E	466B	11
12	521B	470B	425B	374B	2 390E	1 360	659	562	768	748	612E	463B	12
13	519B	469B	423B	373B	2 260E	1 730	655	569	775	745	601E	461B	13
14	517B	467B	422B	371B	2 160E	1 910	652	569	761	740	592B	459B	14
15	516B	465B	420B	370B	2 040E	1 950	655	610	743	740	584B	456B	15
16	514B	464B	418B	388B	1 930E	1 940	642	669	726	738	576B	453B	16
17	512B	462B	417B	366B	1 840E	1 890	627	719	718	726	569B	451B	17
18	511B	460B	415B	365B	1 740E	1 810	610	742	703	714	564B	449B	18
19	509B	459B	413B	363B	1 640E	1 700	593	750	686	695	556B	446B	19
20	508B	457B	412B	361B	1 540E	1 580	593	757	677	693	549B	445B	20
21	506B	456B	410B	360B	1 450E	1 460	588	775	678	694	544B	443B	21
22	504B	454B	409B	358B	1 380E	1 360	593	786	678	691	538B	441B	22
23	503B	452B	407B	357B	1 310E	1 270	586	780	670	686	534B	439B	23
24	501B	451B	405B	355B	1 260E	1 200	575	784	656	678	529B	436B	24
25	500B	449B	404B	353B	1 230E	1 170	566	774	646	675	523B	435B	25
26	498B	448B	402B	352B	1 170E	1 120	561	788	644	674	518B	432B	26
27	496B	446B	400B	350B	1 130E	1 070	564	791	639	675	513B	431B	27
28	495B	444B	399B	355B	1 080E	1 030	559	788	632	671	510B	429B	28
29	493B		397B	369B	1 040E	994	551	789	630	670	507B	427B	29
30	491B		396B	407B	1 020E	949	545	790	638	678	502B	425B	30
31	490B		394B		990E		549	790		697		422B	31
TOTAL	15 938	13 045	12 967	11 153	58 400	37 540	20 335	20 610	21 689	22 314	17 881	14 143	TOTAL
MEAN	514	466	418	372	1 880	1 250	656	665	723	720	596	456	MEAN
MAX	538	488	443	407	3 050	1 950	909	791	794	776	706	499	MAX
MIN	490	444	394	350	990	874	545	537	630	670	502	422	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 729
MAXIMUM DAILY, 3 050B ON MAY 5
MINIMUM DAILY, 350B ON APR 27

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 25 55 N
LONG 92 47 19 W
DRAINAGE AREA, 103 000 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 380 000	JUL	1 760 000
FEB	1 130 000	AUG	1 780 000
MAR	1 120 000	SEP	1 870 000
APR	964 000	OCT	1 930 000
MAY	5 050 000	NOV	1 540 000
JUN	3 240 000	DEC	1 220 000

TOTAL DISCHARGE, 23 000 000 dam³

HAYES RIVER BELOW TROUT FALLS - STATION NO. 04AA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	33.5B	29.7B	27.1B	25.0B	55.4	79.9	70.5	47.3	66.4	59.6A	56.8	44.4B	1
2	33.4B	29.6B	27.0B	25.0B	55.8	81.2	67.1	45.9	67.1	61.4	56.0	44.1B	2
3	33.3B	29.4B	26.8B	24.9B	58.0	82.7	64.9	43.0	67.5	61.3	55.3	43.9B	3
4	33.2B	29.3B	26.8B	24.8B	60.2	83.4	65.1	46.1	69.3	56.8	54.5	43.6B	4
5	33.1B	29.2B	26.8B	24.8B	62.1	83.0	66.1	48.5	65.2	56.4	53.9	43.2B	5
6	32.9B	29.2B	26.7B	24.7B	63.5	83.5	63.8	49.2	64.7	58.2	54.0	42.9B	6
7	32.7B	29.2B	26.6B	24.7B	65.2	84.8	65.0	49.2	64.1	57.4	53.7	42.6B	7
8	32.6B	29.0B	26.5B	24.6B	65.7	83.8	65.4	51.8	65.2	57.7	53.7	42.3B	8
9	32.4B	28.8B	26.5B	24.6B	67.3	83.7	62.9	53.1	64.1	57.9	55.6	42.1B	9
10	32.3B	28.7B	26.4B	24.6B	68.2	84.2	61.7	54.8	62.4	56.8	57.9	41.8B	10
11	32.1B	28.6B	26.4B	24.6B	70.1	83.3	58.7	55.6	64.5	55.4	52.8	41.4B	11
12	31.9B	28.5B	26.2B	24.6B	70.5	82.9	58.7	55.7	66.8	56.6	52.3	41.1B	12
13	31.8B	28.5B	26.1B	24.6B	71.5	81.9	58.6	56.3	62.6	58.3	53.5	40.9B	13
14	31.7B	28.4B	26.0B	24.6B	72.0	81.1	58.4	56.6	63.4	58.6	52.0	40.6B	14
15	31.6B	28.4B	26.0B	24.6B	72.2	81.9	58.2	60.9	65.7	57.7	50.7	40.3B	15
16	31.6B	28.4B	25.9B	24.6B	72.7	78.6	57.5	63.7	66.3	56.5	50.8	40.0B	16
17	31.4B	28.3B	25.8B	24.6B	74.4	79.4	55.0	62.8	63.4	54.4	50.9	39.8B	17
18	31.3B	28.2B	25.7B	24.6B	75.6	79.5	54.7	62.9	62.9	54.2	50.5	39.5B	18
19	31.1B	28.1B	25.7B	24.6B	75.1	75.2	54.7	63.7	62.1	56.4	50.3	39.2B	19
20	30.9B	28.0B	25.6B	24.6B	77.4	73.4	58.5	64.5	62.7	57.6	48.4	39.0B	20
21	30.9B	27.9B	25.5B	24.7B	78.4	73.1	56.8	65.3	63.8A	57.3	48.0B	38.7B	21
22	30.8B	27.8B	25.5B	25.0B	78.8	73.7	54.3	66.5	64.4E	56.2	47.8B	38.4B	22
23	30.7B	27.7B	25.5B	26.4B	79.3	73.3	52.8	66.6	64.0E	54.7	47.3B	38.1B	23
24	30.6B	27.6B	25.4B	29.2B	80.1	73.8	52.6	66.4	63.0E	56.0	47.0B	37.9B	24
25	30.5B	27.6B	25.4B	32.7B	81.2	73.3	52.1	67.8	63.4E	55.1	46.6B	37.8B	25
26	30.4B	27.5B	25.3B	37.4B	79.0	72.6	50.6	69.0	62.8E	55.1	46.2B	37.6B	26
27	30.2B	27.3B	25.3B	41.3B	78.3	73.9	49.5	67.9	60.8E	54.9	45.8B	37.3B	27
28	30.2B	27.2B	25.2B	45.4B	78.3	72.1	49.4	66.6	58.9E	54.9	45.5B	37.1B	28
29	30.0B		25.1B	50.8B	79.0	72.2	50.2	66.1	57.8E	55.3	45.2B	36.9B	29
30	29.9B		25.1B	53.4	77.0	70.7	49.8	66.7	58.7E	58.2	44.8B	36.6B	30
31	29.8B		25.1B		78.0		48.1	66.0		59.2		36.4B	31
TOTAL	978.8	796.1	805.0	860.0	2 220.3	2 356.2	1 791.7	1 826.5	1 918.0	1 766.1	1 527.8	1 245.5	TOTAL
MEAN	31.6	28.4	26.0	28.7	71.6	78.5	57.8	58.9	63.8	57.0	50.9	40.2	MEAN
MAX	33.5	29.7	27.1	53.4	81.2	84.8	70.5	69.0	69.3	61.4	57.9	44.4	MAX
MIN	29.8	27.2	25.1	24.6	55.4	70.7	48.1	43.0	57.8	54.2	44.8	36.4	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 49.6
MAXIMUM DAILY, 84.8 ON JUN 7
MINIMUM DAILY, 24.6B ON APR 8
MAXIMUM INSTANTANEOUS,
86.2 AT 04:07 CST ON JUN 7

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 51 23 N
LONG 95 07 12 W
DRAINAGE AREA, 8 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	84 600	JUL	155 000
FEB	68 800	AUG	158 000
MAR	69 600	SEP	165 000
APR	74 300	OCT	153 000
MAY	192 000	NOV	132 000
JUN	204 000	DEC	108 000

TOTAL DISCHARGE, 1 560 000 dam³

HESPELER FLOODWAY NEAR ROSENFELD - STATION NO. 05OC016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	6.94 B	0.107	0.022	0.136	0.075	0	0	---	---	1
2	---	---	0 B	6.67 B	0.061	0.077	0.119	0.069	0	0	---	---	2
3	---	---	0 B	6.49 B	0.036	0.166	0.109	0.064	0	0	---	---	3
4	---	---	0 B	6.30 B	0.035	0.163	0.093	0.056	0	0	---	---	4
5	---	---	0 B	6.12 B	0.037	0.184	0.123	0.051	0	0	---	---	5
6	---	---	0 B	6.02 B	0.046	6.58	0.136	0.085	0	0	---	---	6
7	---	---	0 B	5.93 B	0.052	26.0	0.759	0.079	0	0	---	---	7
8	---	---	0 B	5.75 B	0.043	23.7	0.608	0.061	0	0	---	---	8
9	---	---	0 B	5.65 B	0.043	14.0	0.385	0.051	0	0	---	---	9
10	---	---	0 B	5.56 B	0.040	9.63	0.218	0.042	0	0.006	---	---	10
11	---	---	0 B	18.7 B	0.038	6.26	0.105	0.034	0	0.093	---	---	11
12	---	---	0 B	29.6 B	0.036	4.47	0.049	0.032	0	0.218	---	---	12
13	---	---	0 B	32.6 B	0.031	2.46	0.039	0.029	0	0.338	---	---	13
14	---	---	0 B	20.9 B	0.029	1.69	0.030	0.027	0	0.346	---	---	14
15	---	---	0 B	9.16 B	0.030	1.38	0.032	0.026	0	0.267	---	---	15
16	---	---	0 B	3.89 B	0.031	1.23	0.045	0.023	0	0.183	---	---	16
17	---	---	0 B	3.90 B	0.032	1.12	0.061	0.020	0	0.177	---	---	17
18	---	---	0 B	1.97	0.032	1.01	0.045	0.018	0	0.251	---	---	18
19	---	---	0 B	1.24	0.031	0.905	0.042	0.012	0	0.546	---	---	19
20	---	---	0 B	1.02	0.028	0.796	0.040	0.004	0	0.662	---	---	20
21	---	---	0 B	0.873	0.035	0.684	0.044	0	0	0.590	---	---	21
22	---	---	0 B	0.720	0.081	0.566	0.055	0	0	0.496	---	---	22
23	---	---	0 B	0.620	0.270	0.477	0.088	0	0	0.393	---	---	23
24	---	---	0 B	0.528	0.267	0.390	0.098	0	0	0.341	---	---	24
25	---	---	0 B	0.463	0.223	0.333	0.095	0	0	0.331	---	---	25
26	---	---	0 B	0.422	0.187	0.287	0.086	0	0	0.310	---	---	26
27	---	---	0.349B	0.411	0.139	0.234	0.077	0	0	0.274	---	---	27
28	---	---	8.16 B	0.379	0.089	0.206	0.072	0	0	0.229	---	---	28
29	---		9.45 B	0.270	0.050	0.181	0.088	0	0	0.191	---	---	29
30	---		9.08 B	0.178	0.030	0.155	0.084	0	0	0.160	---	---	30
31	---		8.16 B		0.026		0.082	0		0.146		---	31
TOTAL	---	---	35.199	189.274	2.215	105.356	4.043	0.858	0	6.548	---	---	TOTAL
MEAN	---	---	1.14	6.31	0.071	3.51	0.130	0.028	0	0.211	---	---	MEAN
MAX	---	---	9.45	32.6	0.270	26.0	0.759	0.085	0	0.662	---	---	MAX
MIN	---	---	0	0.178	0.026	0.022	0.030	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.40
MAXIMUM DAILY, 32.6B ON APR 13
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 10 N
LONG 97 33 00 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	349
FEB	---	AUG	74.1
MAR	3 080	SEP	0
APR	16 400	OCT	566
MAY	191	NOV	---
JUN	9 100	DEC	---

TOTAL DISCHARGE, 29 700 dam³

HIDDEN ISLAND COULEE NEAR HAMSBORO - STATION NO. 05OA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	2.44 B	0.020	0.005	0	0	0	0	0.004	0.003B	1
2	0B	0B	0 B	0.765B	0.017	0.005	0	0	0	0	0.005	0.037B	2
3	0B	0B	0 B	0.311B	0.014	0.004	0	0	0	0	0.004	0.396B	3
4	0B	0B	0 B	0.227B	0.009	0.003	0	0	0	0	0.004	0.340B	4
5	0B	0B	0 B	0.119B	0.006	0.003	0.003	0	0	0	0.005	0.074B	5
6	0B	0B	0 B	0.085B	0.005	0.004	0.002	0	0	0	0.005	0.024B	6
7	0B	0B	0 B	0.057B	0.004	0.006	0.001	0	0	0	0.004	0.010B	7
8	0B	0B	0 B	0.028B	0.004	0.009	0	0	0	0	0.004	0.006B	8
9	0B	0B	0 B	0.028B	0.006	0.025	0.001	0	0	0	0.004	0.003B	9
10	0B	0B	0 B	0.028B	0.113	0.023	0.001	0	0	0.001	0.004	0.002B	10
11	0B	0B	0 B	0.085B	0.680	0.019	0.001	0	0	0.001	0.004	0 B	11
12	0B	0B	0 B	2.04 B	0.510	0.014	0	0	0	0.001	0.003	0 B	12
13	0B	0B	0 B	1.78	0.708	0.013	0	0	0	0.006	0.003	0 B	13
14	0B	0B	0 B	1.95	0.311	0.014	0	0	0	0.011	0.003	0 B	14
15	0B	0B	0 B	1.56	0.266	0.010	0	0	0	0.007	0.003	0 B	15
16	0B	0B	0 B	1.13	0.280	0.010	0.001	0	0	0.004	0.003	0 B	16
17	0B	0B	0 B	0.850	0.311	0.006	0	0	0	0.003	0.003	0 B	17
18	0B	0B	0 B	0.566	0.311	0.005	0	0	0	0.002	0.003	0 B	18
19	0B	0B	0 B	0.368	0.280	0.005	0	0	0	0.001	0.003	0 B	19
20	0B	0B	0 B	0.272	0.249	0.004	0	0	0	0.002	0.003	0 B	20
21	0B	0B	0 B	0.062	0.204	0.004	0	0	0	0.003	0.003	0 B	21
22	0B	0B	0 B	0.167	0.136	0.004	0	0	0	0.003	0.003	0 B	22
23	0B	0B	0 B	0.204	0.045	0.003	0	0	0	0.004	0.003	0 B	23
24	0B	0B	0 B	0.178	0.015	0.002	0	0	0	0.004	0.003	0 B	24
25	0B	0B	0 B	0.093	0.010	0.002	0	0	0	0.004	0.003B	0 B	25
26	0B	0B	0 B	0.020	0.037	0.001	0	0	0	0.004	0.003B	0 B	26
27	0B	0B	0 B	0.016	0.045	0.003	0	0	0	0.004	0.003B	0 B	27
28	0B	0B	0 B	0.062	0.037	0.003	0	0	0	0.004	0.003B	0 B	28
29	0B		0 B	0.122	0.017	0.002	0	0	0	0.005	0.003B	0 B	29
30	0B		1.42	0.042	0.008	0.001	0	0	0	0.005	0.003B	0 B	30
31	0B		2.61		0.006		0	0		0.005		0 B	31
TOTAL	0	0	4.03	15.655	4.664	0.212	0.010	0	0	0.084	0.104	0.895	TOTAL
MEAN	0	0	0.130	0.522	0.150	0.007	0	0	0	0.003	0.003	0.029	MEAN
MAX	0	0	2.61	2.44	0.708	0.025	0.003	0	0	0.011	0.005	0.396	MAX
MIN	0	0	0	0.016	0.004	0.001	0	0	0	0	0.003	0	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.070
MAXIMUM DAILY, 2.61 ON MAR 31
MINIMUM DAILY, 0B ON JAN 1

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 57 10 N
LONG 99 25 35 W
DRAINAGE AREA, 68.1 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0.86
FEB	0	AUG	0
MAR	348	SEP	0
APR	1 350	OCT	7.26
MAY	403	NOV	8.99
JUN	18.3	DEC	77.3

TOTAL DISCHARGE, 2 210 dam³

ICELANDIC RIVER NEAR RIVERTON - STATION NO. 05BC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.399B	5.57B	2.00	0.976	0.459	0.982	0.616	0.495	---	---	1
2	---	---	0.391B	5.50B	1.88	0.950	0.584	0.822	0.583	0.508	---	---	2
3	---	---	0.382B	4.80B	1.85	0.919	0.749	0.812	0.571	0.494	---	---	3
4	---	---	0.377B	3.91B	1.76	0.877	0.858	0.905	0.531	0.515	---	---	4
5	---	---	0.373B	3.50B	1.82	0.821	1.17	0.756	0.514	0.508	---	---	5
6	---	---	0.369B	3.20B	1.74	0.835	4.55	0.736	0.474	0.489	---	---	6
7	---	---	0.369B	3.10B	1.93	2.50	3.88 A	0.676	0.423	0.503	---	---	7
8	---	---	0.364B	3.02B	2.27	6.64	3.38	0.661	0.404	0.530	---	---	8
9	---	---	0.360B	3.06B	2.21	6.41	2.34	0.642	0.458	0.526	---	---	9
10	---	---	0.355B	3.40B	2.06	4.37	1.75	0.593	0.452	0.556	---	---	10
11	---	---	0.351B	5.60B	1.96	2.94	1.34	0.599	0.424	0.666	---	---	11
12	---	---	0.347B	8.80B	1.90	2.36	1.12	0.590	0.368	0.868	---	---	12
13	---	---	0.342B	13.0 B	1.75	1.95	0.980	0.616	0.320	1.01	---	---	13
14	---	---	0.338B	22.0 B	1.64	1.65	0.860	0.747	0.294	0.969	---	---	14
15	---	---	0.338B	32.0 B	1.55	1.41	0.755	2.41	0.271	0.916	---	---	15
16	---	---	0.333B	45.1	1.57	1.23	0.720	4.52	0.231	0.857	---	---	16
17	---	---	0.329B	30.2	1.76	1.11	2.01	3.89	0.223	0.809	---	---	17
18	---	---	0.325B	20.9	1.83	1.04	6.16	2.79	0.463	0.787	---	---	18
19	---	---	0.320B	17.0	1.86	0.971	5.61	2.11	0.377	0.834	---	---	19
20	---	---	0.316B	13.2	1.84	0.925	3.85	1.57	0.291	0.848	---	---	20
21	---	---	0.312B	10.0	1.76	0.898	2.38	1.24	0.269	0.828	---	---	21
22	---	---	0.307B	7.72	1.60	0.877	1.70	1.09	0.254	0.829	---	---	22
23	---	---	0.316B	6.48	1.51	0.819	1.36	0.952	0.262	0.831	---	---	23
24	---	---	0.303B	5.57	1.42	0.752	1.21	0.885	0.283	0.800	---	---	24
25	---	---	0.298B	4.58	1.34	0.722	1.09	0.845	0.276	0.766	---	---	25
26	---	---	0.338B	3.61	1.26	0.674	0.946	0.793	0.270	0.735	---	---	26
27	---	---	0.560B	3.01	1.20	0.609	0.822	0.741	0.275	0.708	---	---	27
28	---	---	0.586B	2.62	1.12	0.564	0.739	0.697	0.307	0.729	---	---	28
29	---		0.644B	2.34	1.12	0.526	0.831	0.691	0.410	0.769	---	---	29
30	---		2.39 B	2.12	1.08	0.500	1.04	0.672	0.457	0.852	---	---	30
31	---		3.60 B		1.06		1.07	0.640		0.877		---	31
TOTAL	---	---	16.732	294.91	51.65	47.825	56.313	36.533	11.351	22.412	---	---	TOTAL
MEAN	---	---	0.540	9.83	1.67	1.59	1.82	1.18	0.378	0.723	---	---	MEAN
MAX	---	---	3.60	45.1	2.27	6.64	6.16	4.52	0.616	1.01	---	---	MAX
MIN	---	---	0.298	2.12	1.06	0.500	0.459	0.590	0.223	0.489	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.19
MAXIMUM DAILY, 45.1 ON APR 16
MINIMUM DAILY, 0.223 ON SEP 17
MAXIMUM INSTANTANEOUS,
51.6 AT 21:00 CST ON APR 16

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 35 N
LONG 97 02 10 W
DRAINAGE AREA, 1 140 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 870
FEB	---	AUG	3 160
MAR	1 450	SEP	981
APR	25 500	OCT	1 940
MAY	4 460	NOV	---
JUN	4 130	DEC	---

TOTAL DISCHARGE, 46 500 dam³

ISLAND LAKE NEAR ISLAND LAKE - STATION NO. 04AC002

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	228.453	228.418	228.381	228.222	228.194	---	1
2	---	---	---	---	---	---	228.459	228.421	228.369	228.216	228.185	---	2
3	---	---	---	---	---	---	228.453	228.410	228.372	228.210	228.175	---	3
4	---	---	---	---	---	---	228.448	228.407	228.354	228.217	228.176	---	4
5	---	---	---	---	---	---	228.442	228.403	228.355	228.219	228.176	---	5
6	---	---	---	---	---	---	228.439	228.402	228.356	228.221	228.176	---	6
7	---	---	---	---	---	---	228.431	228.415	228.351	228.219	228.175	---	7
8	228.100A	---	---	---	---	---	---	228.418	228.343	228.218	228.174	---	8
9	---	---	---	---	---	---	228.431	228.432	228.344	228.219	228.175	---	9
10	---	---	---	---	---	228.387A	228.443	228.440	228.343	228.213	228.175	---	10
11	---	---	---	---	---	228.382	228.440	228.442	228.332	228.211	228.161	---	11
12	---	---	---	---	---	228.390	228.437	228.447	228.329	228.212	228.148	---	12
13	---	---	---	---	---	228.396	228.427	228.454	228.314	228.212	228.149	---	13
14	---	---	---	---	---	228.406	228.426	228.450	228.305	228.206	228.152	---	14
15	---	---	---	---	---	228.415	228.423	228.452	228.301	228.196	228.156	---	15
16	---	---	---	---	---	228.419	228.420	228.444	228.291	228.204	228.155	---	16
17	---	---	---	---	---	228.429	228.418	228.441	228.281	228.208	228.152	---	17
18	---	---	---	---	---	228.433	228.430	228.442	228.278	228.201	228.159	---	18
19	---	---	---	---	---	228.443	228.443	228.444	228.273	228.202	228.158	---	19
20	---	---	---	---	---	228.452	228.449	228.436	228.270	228.197	228.165	---	20
21	---	---	---	---	---	228.457	228.438	228.434	228.271	228.209	228.169	---	21
22	---	---	---	---	---	228.459	228.435	228.433	228.270	228.202	228.172	---	22
23	---	---	---	---	---	228.460	228.442	228.423	228.256	228.202	228.163	---	23
24	---	---	---	---	---	228.466	228.448	228.420	228.247	228.197	228.163	---	24
25	---	---	227.919A	---	---	228.448	228.439	228.418	228.243	228.200	228.161	---	25
26	---	---	---	---	---	228.458	228.430	228.406	228.227	228.202	228.153A	---	26
27	---	---	---	---	---	228.459	228.432	228.392	228.221	228.200	---	---	27
28	---	---	---	---	---	228.450	228.432	228.382	228.229	228.193	---	---	28
29	---		---	---	---	228.453	228.433	228.389	228.228	228.193	---	---	29
30	---		---	---	---	228.452	228.432	228.386	228.218	228.185	---	---	30
31	---		---		---	228.456	228.428	228.383		228.189		---	31
MEAN	---	---	---	---	---	---	228.422	228.387					MEAN
MAX	---	---	---	---	---	---	228.436	228.420	228.298	228.206	---	---	MAX
MIN	---	---	---	---	---	---	228.459	228.454	228.381	228.222	---	---	MIN
							228.418	228.382	228.218	228.185	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 228.466 ON JUN 23

MAXIMUM INSTANTANEOUS,
228.474 AT 18:30 CST ON JUN 23

WATER LEVELS ARE REFERRED TO MANITOBA-ONTARIO BOUNDARY SURVEY DATUM

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 52 00 N
LONG 94 40 25 W

A - MANUAL GAUGE

NATURAL FLOW

ISLAND LAKE RIVER NEAR ISLAND LAKE - STATION NO. 04AC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	75.0E	65.6E	57.8E	---	---	108E	135	128	120	90.4	86.0	81.6E	1
2	74.7E	65.3E	57.5E	---	---	110E	136	128	118	89.4	84.8	81.6E	2
3	74.5E	64.9E	57.2E	---	---	111E	135	126	118	88.5	83.4	81.6E	3
4	74.2E	64.7E	57.0E	---	---	113E	134	125	115	89.6	83.4	81.6E	4
5	74.0E	64.4E	56.7E	---	---	114E	133	125	115	90.0	83.5	81.7E	5
6	73.8E	64.1E	56.4E	---	---	115E	132	124	115	90.3	83.5	81.7E	6
7	73.6E	63.8E	56.2E	---	---	117E	131	127	114	90.0	83.3	81.7E	7
8	73.3A	63.6E	55.9E	---	---	118E	131	128	113	89.9	83.2	81.7E	8
9	72.8E	63.2E	55.7E	---	---	120A	133	131	113	90.0	83.3	81.7E	9
10	72.5E	63.0E	55.4E	---	---	120	132	133	113	89.0	83.3	81.7E	10
11	72.1E	62.7E	55.2E	---	---	122	132	134	111	88.7	81.4	81.7E	11
12	71.8E	62.4E	55.0E	---	---	123	130	135	110	88.8	79.4	81.7E	12
13	71.6E	62.2E	54.8E	---	---	125	130	135	107	88.9	79.6	81.6E	13
14	71.2E	61.9E	54.4E	---	---	127	129	135	105	87.9	80.0	81.6E	14
15	71.0E	61.7E	54.2E	---	---	128	128	133	105	86.3	80.5	81.6E	15
16	70.6E	61.4E	54.0E	---	---	130	128	133	103	87.6	80.4	81.5E	16
17	70.2E	61.1E	53.8E	---	---	131	130	133	101	88.2	80.0	81.5E	17
18	69.9E	60.9E	53.7E	---	---	133	133	133	100	87.0	81.1	81.3E	18
19	69.6E	60.7E	53.3E	---	---	135	134	132	99.2	87.3	80.9	81.3E	19
20	69.3E	60.4E	53.1E	---	---	136	132	131	98.7	86.5	81.9	81.3E	20
21	69.1E	60.1E	52.9E	---	---	136	131	131	98.9	86.9	82.4	81.2E	21
22	68.7E	59.8E	52.7E	---	---	137	133	129	98.8	87.2	82.8	81.2E	22
23	68.3E	59.5E	52.3E	---	---	138	134	128	96.2	87.3	81.6	81.2E	23
24	68.1E	59.3E	52.2E	---	---	134	132	128	94.7	86.5	81.5	81.2E	24
25	67.8E	59.1E	52.1A	---	---	136	130	125	94.0	87.0	81.4	81.0E	25
26	67.4E	58.8E	51.9E	---	---	136	131	122	91.4	87.2	80.2A	81.0E	26
27	67.1E	58.5E	51.5E	---	---	135	131	120	90.3	87.0	81.3E	80.9E	27
28	66.8E	58.3E	51.3E	---	---	135	131	122	91.7	85.9	81.5E	80.9E	28
29	66.6E		51.1E	---	---	135	131	121	91.5	85.9	81.6E	80.7E	29
30	66.2E		51.0E	---	---	136	130	120	89.8	84.8	81.6E	80.7E	30
31	65.8E		50.8E		---		129	121		85.3		80.6E	31
TOTAL	2 187.6	1 731.4	1 677.1	---	---	3 794	4 081	3 976	3 131.2	2 725.3	2 458.8	2 522.3	TOTAL
MEAN	70.6	61.8	54.1	---	---	126	132	128	104	87.9	82.0	81.4	MEAN
MAX	75.0	65.6	57.8	---	---	138	136	135	120	90.4	86.0	81.7	MAX
MIN	65.8	58.3	50.8	---	---	108	128	120	89.8	84.8	79.4	80.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 138 ON JUN 23

MAXIMUM INSTANTANEOUS,
140 AT 18:30 CST ON JUN 23

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 03 34 N
LONG 94 39 34 W
DRAINAGE AREA, 14 000 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	189 000	JUL	353 000
FEB	150 000	AUG	344 000
MAR	145 000	SEP	271 000
APR	---	OCT	235 000
MAY	---	NOV	212 000
JUN	328 000	DEC	218 000

JACKSON CREEK NEAR MELITA - STATION NO. 05NF015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.033	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.027	0	0	0	0	0	---	---	2
3	---	---	0B	0 B	0.024	0	0	0	0	0	---	---	3
4	---	---	0B	0 B	0.022	0	0	0	0	0	---	---	4
5	---	---	0B	0 B	0.019	0	0	0	0	0	---	---	5
6	---	---	0B	0 B	0.016	0	0	0	0	0	---	---	6
7	---	---	0B	0 B	0.013	0	0	0	0	0	---	---	7
8	---	---	0B	0 B	0.011	0	0	0	0	0	---	---	8
9	---	---	0B	0 B	0.010	0	0	0	0	0	---	---	9
10	---	---	0B	0.005B	0.012	0	0	0	0	0	---	---	10
11	---	---	0B	0.078B	0.010	0	0	0	0	0	---	---	11
12	---	---	0B	0.500B	0.008	0	0	0	0	0	---	---	12
13	---	---	0B	0.598B	0.007	0	0	0	0	0	---	---	13
14	---	---	0B	0.296B	0.006	0	0	0	0	0	---	---	14
15	---	---	0B	0.199B	0.006	0	0	0	0	0	---	---	15
16	---	---	0B	0.347	0.007	0	0	0	0	0	---	---	16
17	---	---	0B	0.793	0.008	0	0	0	0	0	---	---	17
18	---	---	0B	0.696	0.006	0	0	0	0	0	---	---	18
19	---	---	0B	0.430	0.006	0	0	0	0	0	---	---	19
20	---	---	0B	0.282	0.005	0	0	0	0	0	---	---	20
21	---	---	0B	0.201	0.004	0	0	0	0	0	---	---	21
22	---	---	0B	0.165	0.003	0	0	0	0	0	---	---	22
23	---	---	0B	0.136	0.002	0	0	0	0	0	---	---	23
24	---	---	0B	0.126	0.004	0	0	0	0	0	---	---	24
25	---	---	0B	0.111	0.002	0	0	0	0	0	---	---	25
26	---	---	0B	0.089	0.001	0	0	0	0	0	---	---	26
27	---	---	0B	0.072	0.001	0	0	0	0	0	---	---	27
28	---	---	0B	0.061	0.001	0	0	0	0	0	---	---	28
29	---		0B	0.049	0.001	0	0	0	0	0	---	---	29
30	---		0B	0.042	0.001	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	5.186	0.276	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.173	0.009	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.793	0.033	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.022
MAXIMUM DAILY, 0.793 ON APR 17
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.954 AT 10:00 CST ON APR 17

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 00 N
LONG 100 57 50 W
DRAINAGE AREA, 451 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	448	OCT	0
MAY	23.8	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 472 dam³

JORDAN CREEK NEAR PLUMAS - STATION NO. 05LL008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.780B	0.022	0.011	0.016	0.022	0	0	---	---	1
2	---	---	0 B	0.756B	0.016	0.001	0.016	0.021	0.003	0	---	---	2
3	---	---	0 B	0.721B	0.002	0.001	0.017	0.021	0.003	0	---	---	3
4	---	---	0 B	0.689B	0.003	0	0.016	0.018	0.001	0	---	---	4
5	---	---	0 B	0.655B	0.010	0.006	0.015	0.014	0.001	0	---	---	5
6	---	---	0 B	0.628B	0.007	0.041	0.014	0.013	0.001	0	---	---	6
7	---	---	0 B	0.606B	0.011	0.036	0.011	0.011	0.001	0	---	---	7
8	---	---	0 B	0.604B	0.012	0.032	0.008	0.007	0.001	0	---	---	8
9	---	---	0 B	0.601B	0.017	0.031	0.006	0.006	0	0	---	---	9
10	---	---	0 B	0.598B	0.018	0.028	0.005	0.004	0	0.001	---	---	10
11	---	---	0 B	0.592B	0.021	0.046	0.003	0.001	0	0.007	---	---	11
12	---	---	0 B	0.665B	0.023	0.050	0.001	0	0	.008	---	---	12
13	---	---	0 B	0.785B	0.031	0.013	0.003	0	0	0.008	---	---	13
14	---	---	0 B	0.979B	0.029	0.017	0.002	0	0	0.008	---	---	14
15	---	---	0 B	1.12 B	0.031	0.016	0	0.004	0	0.008	---	---	15
16	---	---	0 B	1.36 B	0.036	0.017	0.005	0.005	0	0.006	---	---	16
17	---	---	0 B	1.17 B	0.042	0.018	0.011	0.004	0	0.006	---	---	17
18	---	---	0 B	0.982B	0.042	0.019	0.011	0.004	0	0.005	---	---	18
19	---	---	0 B	0.836	0.038	0.022	0.010	0.004	0	0.005	---	---	19
20	---	---	0 B	0.631	0.036	0.022	0.007	0.002	0	0.004	---	---	20
21	---	---	0 B	0.479	0.058	0.022	0.005	0.001	0	0.003	---	---	21
22	---	---	0 B	0.362	0.082	0.022	0.003	0.001	0	0.002	---	---	22
23	---	---	0 B	0.291	0.093	0.023	0.003	0.001	0	0.001	---	---	23
24	---	---	0 B	0.234	0.095	0.023	0.001	0	0	0	---	---	24
25	---	---	0 B	0.178	0.088	0.022	0	0	0	0	---	---	25
26	---	---	0 B	0.120	0.090	0.022	0	0	0	0	---	---	26
27	---	---	0 B	0.087	0.098	0.022	0.007	0	0	0	---	---	27
28	---	---	0.093B	0.059	0.093	0.021	0.011	0	0	0.001	---	---	28
29	---		0.352B	0.039	0.092	0.020	0.023	0	0	0.003	---	---	29
30	---		0.743B	0.029	0.029	0.019	0.023	0	0	0.003	---	---	30
31	---		0.788B		0.020		0.023	0		0.002		---	31
TOTAL	---	---	1.976	17.596	1.285	0.643	0.276	0.164	0.011	0.081	---	---	TOTAL
MEAN	---	---	0.064	0.587	0.041	0.021	0.009	0.005	0	0.003	---	---	MEAN
MAX	---	---	0.788	1.36	0.098	0.050	0.023	0.022	0.003	0.008	---	---	MAX
MIN	---	---	0	0.029	0.002	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.090
MAXIMUM DAILY, 1.36B ON APR 16
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 23 25 N
LONG 99 02 44 W
DRAINAGE AREA, 49.7 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	23.8
FEB	---	AUG	14.2
MAR	171	SEP	0.95
APR	1 520	OCT	7.00
MAY	111	NOV	---
JUN	55.6	DEC	---

TOTAL DISCHARGE, 1 900 dam³

JOUBERT CREEK AT ST. PIERRE-JOLYS - STATION NO. 05OE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.020B	3.04 B	1.73	0.661	0.382	1.75	0.026	0.001	---	---	1
2	---	---	0.020B	3.20 B	1.47	0.605	0.330	1.36	0.032	0	---	---	2
3	---	---	0.020B	2.60 B	1.27	0.646	0.292	1.05	0.019	0.064	---	---	3
4	---	---	0.020B	1.90 B	1.14	0.634	0.325	0.827	0.025	0.021	---	---	4
5	---	---	0.020B	1.50 B	1.11	0.638	0.884	0.672	0.008	0.091	---	---	5
6	---	---	0.020B	1.20 B	0.963	0.876	0.975	0.581	0.007	0.139	---	---	6
7	---	---	0.020B	1.00 B	0.867	1.60	1.87	0.520	0.009	0.320	---	---	7
8	---	---	0.020B	0.900B	0.782	1.51	3.50	0.473	0.010	0.700	---	---	8
9	---	---	0.020B	1.60 B	0.733	2.36	3.50	0.452	0.008	1.03	---	---	9
10	---	---	0.020B	2.40 B	0.716	3.00	2.61	0.385	0.008	0.775	---	---	10
11	---	---	0.020B	3.80 B	0.741	3.29	1.89	0.328	0.008	0.933	---	---	11
12	---	---	0.020B	4.77 B	0.805	3.84	1.38	0.250	0.008	1.55	---	---	12
13	---	---	0.020B	5.30 B	0.810	3.63	1.09	0.232	0.009	1.72	---	---	13
14	---	---	0.025B	5.72 B	0.767	3.01	0.928	0.183	0.009	1.58	---	---	14
15	---	---	0.030B	6.60 B	0.767	2.41	0.782	0.164	0.007E	1.41	---	---	15
16	---	---	0.050B	6.35 B	0.780	2.15	0.726	0.148	0.006E	1.24	---	---	16
17	---	---	0.055B	5.38 B	0.784	1.83	0.648	0.095	0.005E	1.10	---	---	17
18	---	---	0.040B	3.76 B	0.847	1.53	0.641	0.165	0.004E	0.931	---	---	18
19	---	---	0.050B	3.16	1.03	1.34	0.739	0.157	0.003E	0.867	---	---	19
20	---	---	0.055B	3.10	1.32	1.22	0.648	0.168	0.002E	0.815	---	---	20
21	---	---	0.060B	2.97	1.28	1.18	0.548	0.219	0.002E	0.778	---	---	21
22	---	---	0.065B	2.78	1.09	1.08	0.476	0.226	0.001E	0.722	---	---	22
23	---	---	0.070B	2.91	0.923	0.957	0.447	0.214	0.001E	0.709	---	---	23
24	---	---	0.065B	3.28	0.815	0.850	0.452	0.183	0.001E	0.706	---	---	24
25	---	---	0.060B	3.44	0.766	0.760	2.36	0.159	0.001E	0.736	---	---	25
26	---	---	0.070B	3.47	0.759	0.694	4.40	0.151	0.144	0.747	---	---	26
27	---	---	0.100B	3.22	0.756	0.623	5.30	0.135	0.078	0.724	---	---	27
28	---	---	0.400B	2.77	0.741	0.556	4.98	0.100	0.115	0.689	---	---	28
29	---		1.00 B	2.39	0.725	0.488	3.73	0.075	0.037	0.681	---	---	29
30	---		1.60 B	2.06	0.707	0.437	2.72	0.046	0.005	0.628	---	---	30
31	---		2.30 B		0.686		2.17	0.047		0.578		---	31
TOTAL	---	---	6.355	95.970	28.680	44.485	51.723	11.515	0.598	22.985	---	---	TOTAL
MEAN	---	---	0.205	3.20	0.925	1.48	1.67	0.371	0.020	0.741	---	---	MEAN
MAX	---	---	2.30	6.60	1.73	3.84	5.30	1.75	0.144	1.72	---	---	MAX
MIN	---	---	0.020	0.900	0.686	0.437	0.292	0.046	0.001	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.07
MAXIMUM DAILY, 6.60B ON APR 15
MINIMUM DAILY, 0 ON OCT 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 26 N
LONG 96 59 23 W
DRAINAGE AREA, 311 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 470
FEB	---	AUG	995
MAR	549	SEP	51.7
APR	8 290	OCT	1 990
MAY	2 480	NOV	---
JUN	3 846	DEC	---

TOTAL DISCHARGE, 22 700 dam³

KENTON CREEK AT KENTON - STATION NO. 05MG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.164B	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.140B	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.108B	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.081B	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.049B	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.020B	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.012B	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.009B	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.080B	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.195B	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.542B	0	0	0	0	0	0	---	---	11
12	---	---	0 B	1.13 B	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.727B	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.406B	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.329	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.186	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.119	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.104	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.096	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.065	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.052	0	0	0	0	0	0	---	---	21
22	---	---	0.001B	0.027	0	0	0	0	0	0	---	---	22
23	---	---	0.003B	0.010	0	0	0	0	0	0	---	---	23
24	---	---	0.004B	0.004	0	0	0	0	0	0	---	---	24
25	---	---	0.002B	0.001	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0.002	0	0	0	0	0	0	---	---	26
27	---	---	0.001B	0.001	0	0	0	0	0	0	---	---	27
28	---	---	0.008B	0.001	0	0	0	0	0	0	---	---	28
29	---		0.030B	0	0	0	0	0	0	0	---	---	29
30	---		0.084B	0	0	0	0	0	0	0		---	30
31	---		0.121B		0		0	0		0		---	31
TOTAL	---	---	0.254	4.660	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.008	0.155	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.121	1.13	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.020
MAXIMUM DAILY, 1.13B ON APR 12
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 24 N
LONG 100 36 39 W
DRAINAGE AREA, 45.8 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	21.9	SEP	0
APR	403	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 425 dam³

KETTLE RIVER NEAR GILLAM - STATION NO. 05UF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.66 B	0.874B	0.682B	0.594B	8.11B	37.6	15.6	4.83	8.80	10.8	11.5	6.72B	1
2	2.61 B	0.856B	0.682B	0.594B	22.9 B	35.7	14.4	4.41	9.06	12.5	11.6	6.64B	2
3	2.56 B	0.852B	0.677B	0.594B	46.1	34.6	13.8	4.28	8.99	13.6	11.3	6.58B	3
4	2.51 B	0.839B	0.673B	0.594B	64.3	34.1	13.0	4.01	9.41	14.0	11.4	6.53B	4
5	2.47 B	0.821B	0.669B	0.594B	77.2	33.1	12.2	3.97	8.74	14.5	11.4	6.44B	5
6	2.37 B	0.813B	0.664B	0.594B	94.0	32.7	11.6	3.95	8.97	14.9	11.1	6.39B	6
7	2.28 B	0.804B	0.660B	0.594B	103	31.9	10.9	3.64	9.17	15.4	11.1	6.28B	7
8	2.21 B	0.795B	0.656B	0.594B	104	31.5	10.6	3.66	9.44	15.6	10.5	6.19B	8
9	2.12 B	0.786B	0.651B	0.594B	104	32.1	9.94	3.81	9.24	15.7	10.4	6.14B	9
10	2.06 B	0.778B	0.647B	0.594B	101	33.0	10.3	3.99	9.72	15.7	10.6	6.05B	10
11	1.95 B	0.769B	0.642B	0.590B	98.2	32.7	9.49	4.06	10.5	15.4	9.28	5.97B	11
12	1.84 B	0.765B	0.638B	0.590B	93.5	32.1	9.09	4.14	11.0	15.8	7.98	5.88B	12
13	1.62 B	0.760B	0.638B	0.590B	89.6	31.4	8.48	4.24	10.4	15.8	8.39	5.83B	13
14	1.51 B	0.751B	0.634B	0.590B	84.8	31.0	8.21	4.23	10.2	15.5	8.30	5.72B	14
15	1.42 B	0.743B	0.629B	0.586B	79.2	30.3	7.85	4.23	10.5	14.7	8.20	5.60B	15
16	1.32 B	0.734B	0.629B	0.581B	73.8	28.6	7.29	4.76	11.2	14.3	8.18	5.52B	16
17	1.23 B	0.730B	0.625B	0.581B	68.9	27.1	6.70	4.50	10.7	15.0	8.05	5.44B	17
18	1.15 B	0.725B	0.621B	0.577B	63.7	26.2	6.00	4.17	10.5	14.7	7.86	5.35B	18
19	1.10 B	0.721B	0.621B	0.573B	58.4	25.6	5.74	4.03	10.5	13.9	7.81	5.30B	19
20	1.09 B	0.717B	0.616B	0.573B	54.1	24.1	6.27	5.36	10.5	14.3	7.74	5.27B	20
21	1.04 B	0.712B	0.616B	0.573B	50.8	22.6	6.27	5.52	10.5	14.0	7.65B	5.24B	21
22	1.01 B	0.708B	0.612B	0.573B	47.1	21.5	5.66	5.70	10.5	13.5	7.54B	5.16B	22
23	0.986B	0.703B	0.612B	0.573B	43.8	20.3	6.00	5.79	10.2	13.4	7.48B	5.01B	23
24	0.958B	0.703B	0.608B	0.573B	41.4	20.6	6.02	6.13	10.0	13.2	7.40B	4.93B	24
25	0.945B	0.699B	0.608B	0.573B	39.5	20.3	5.28	6.04	10.4	12.9	7.28B	4.85B	25
26	0.936B	0.695B	0.603B	0.590B	38.2	20.2	5.15	6.84	10.1	12.9	7.17B	4.77B	26
27	0.927B	0.690B	0.603B	0.603B	36.8	18.7	5.32	7.37	9.15	12.5	7.06B	4.72B	27
28	0.914B	0.686B	0.599B	0.677B	37.6	17.3	4.66	7.38	9.27	12.9	6.95B	4.64B	28
29	0.900B		0.599B	0.786B	39.0	17.7	4.70	7.99	9.76	12.8	6.89B	4.56B	29
30	0.887B		0.594B	1.02 B	38.5	16.5	4.21	8.70	10.4	13.2	6.84B	4.49B	30
31	0.878B		0.594B		38.4		4.62	8.05		13.2		4.41B	31
TOTAL	48.461	21.229	19.602	18.313	1 939.91	821.1	255.35	161.58	297.82	436.6	264.95	172.62	TOTAL
MEAN	1.56	0.758	0.632	0.610	62.6	27.4	8.24	5.21	9.93	14.1	8.83	5.57	MEAN
MAX	2.66	0.874	0.682	1.02	104	37.6	15.6	8.70	11.2	15.8	11.6	6.72	MAX
MIN	0.878	0.686	0.594	0.573	8.11	16.5	4.21	3.64	8.74	10.8	6.84	4.41	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.3
MAXIMUM DAILY, 104 ON MAY 8
MINIMUM DAILY, 0.573B ON APR 19
MAXIMUM INSTANTANEOUS, 105 ON MAY 8

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 28 40 N
LONG 94 41 00 W
DRAINAGE AREA, 1 960 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 190	JUL	22 180
FEB	1 830	AUG	14 000
MAR	1 690	SEP	25 700
APR	1 580	OCT	37 700
MAY	168 000	NOV	22 900
JUN	70 900	DEC	14 900

TOTAL DISCHARGE, 385 000 dam³

KILLARNEY LAKE AT KILLARNEY - STATION NO. 05OA003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	492.240E	492.228E	492.208E	492.520E	---	492.409E	492.352E	492.252	---	492.045E	492.195E	492.225	1
2	492.241E	492.228E	492.208E	492.533E	492.457	492.409	492.352E	492.247E	---	492.045E	492.201E	492.232E	2
3	492.241E	492.228	492.208	492.545E	492.446E	492.404E	492.352E	492.242	---	492.045	492.208	492.240E	3
4	492.242E	492.228E	492.208E	492.558	492.436E	492.398E	492.352	492.234E	---	492.046E	492.213	492.247E	4
5	492.243	492.228E	492.208E	---	492.426	492.393E	492.348E	492.226E	---	492.047E	492.211E	492.255	5
6	492.242E	492.228E	492.208E	---	492.426E	492.388	492.345E	492.218E	---	492.048	492.209E	492.265E	6
7	492.241E	492.228	492.208	492.574	492.425E	492.387E	492.342	492.210E	492.085	492.058E	492.208	492.275E	7
8	492.240E	492.224E	492.208E	---	492.425E	492.387E	492.342E	492.202	492.065	492.068E	492.211E	492.285	8
9	492.239E	492.221E	492.208E	---	492.425	492.387	492.342E	492.208	492.062E	492.078E	492.214E	492.285E	9
10	492.238	492.218	492.208	---	492.435E	492.392E	492.342E	492.198E	492.060E	492.088	492.218	492.285E	10
11	492.234E	492.218E	492.208E	492.533	492.445E	492.396E	492.342	492.188	492.057E	492.104E	---	492.285E	11
12	492.231E	492.218E	492.208E	---	492.455	492.401E	492.342E	492.187E	492.055	492.121E	---	492.285	12
13	492.228	492.218E	492.208E	---	492.452E	492.406	492.342E	492.185E	492.052E	492.138	---	492.285E	13
14	492.235E	492.218	492.208	492.512	492.449E	492.405E	492.342	492.184E	492.048E	492.140E	---	492.285E	14
15	492.243E	492.218E	492.208E	---	492.446E	492.405E	492.334E	492.183	492.045	492.143E	---	492.285	15
16	492.250E	492.218E	492.208E	---	492.443	492.405	492.327E	492.181E	492.040E	492.145E	492.224	492.285E	16
17	492.250	492.218	492.208	---	492.453E	492.402E	492.319E	492.179E	492.035E	492.148	492.227E	492.285E	17
18	492.250E	492.215E	492.208E	492.551	492.463	492.399E	492.312	492.178	492.030E	492.151E	492.230E	492.285E	18
19	492.250E	492.213E	492.208E	---	492.433	492.396E	492.305E	492.175E	492.025	492.155E	492.233E	492.285	19
20	492.250	492.210E	492.208E	---	492.433E	492.394	492.299E	492.173E	492.021E	492.158	492.236E	492.285E	20
21	492.250E	492.208	492.208	492.610	492.432E	492.393E	492.292	492.170E	492.018E	492.163E	492.239	492.285E	21
22	492.243E	492.208E	492.208E	---	492.432E	492.393E	492.287E	492.168	492.015	492.168E	---	492.285	22
23	492.235E	492.208E	492.208E	---	492.432	492.393	492.282E	---	492.012E	492.173E	---	492.287E	23
24	492.228	492.208	492.208	---	492.428E	492.385E	492.277E	---	492.010E	492.178	---	492.290E	24
25	492.228E	492.208E	492.208E	492.529	492.425E	492.377E	492.272	---	492.007E	492.181E	---	492.292E	25
26	492.228E	492.208E	492.208E	---	492.421	492.369E	492.272E	---	492.005	492.185E	---	492.295	26
27	492.228E	492.208E	492.208E	---	492.418E	492.362	492.272E	---	492.018E	492.188	---	492.295E	27
28	492.228	492.208	492.208	492.478	492.415E	492.362	492.272	---	492.031E	492.188E	---	492.295E	28
29	492.228E		492.308E	---	492.413E	492.357E	492.267E	---	492.045	492.188E	---	492.295	29
30	492.228E		492.408E	---	492.410	492.352	492.262E	---	492.045E	492.188E	---	492.295E	30
31	492.228		492.508		492.409E		492.257E	---		492.188		492.295E	31
MEAN	492.239	492.217	492.227	---	---	492.390	492.314	---	---	492.128	---	492.279	MEAN
MAX	492.258	492.228	492.508	---	---	492.409	492.352	---	---	492.188	---	492.295	MAX
MIN	492.228	492.208	492.208	---	---	492.352	492.257	---	---	492.045	---	492.225	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1982

MAXIMUM DAILY, 492.610 ON APR 21
MINIMUM DAILY, 492.005 ON SEP 26

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 10 30 N
LONG 99 40 12 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

KISKITTO LAKE NEAR NORWAY HOUSE - STATION NO. 05UB013

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	213.360	---	---	---	213.276A	213.477	213.412	213.371	213.306	213.217	213.236	---	1
2	213.356	---	---	---	---	213.488	213.383	213.338	213.291	213.225	213.232	---	2
3	213.358	---	---	---	---	213.509	213.390	213.353	213.295	213.212	213.218	---	3
4	213.355	---	---	---	---	213.505	213.413	213.386	213.300	213.191	213.213	---	4
5	213.351	---	---	---	---	213.502	213.405	213.389	213.297	213.224	213.209	---	5
6	213.368	---	---	---	---	213.509	213.400	213.393	213.289	213.218	213.204	---	6
7	213.360	---	---	---	---	213.500	213.441	213.395	213.289	213.220	213.203	---	7
8	213.368	---	---	213.204A	---	213.501	213.424	213.373	213.286	213.223	213.200	---	8
9	213.369	---	---	213.209	---	213.503	213.431	213.382	213.277	213.224	213.198	---	9
10	213.360	---	---	213.207	---	213.505	213.419	213.386	213.271	213.210	213.197	---	10
11	213.361	---	---	213.204	---	213.504	213.419	213.374	213.318	213.211	213.195	---	11
12	213.352	---	---	213.209	---	213.504	213.415	213.375	213.285	213.219	213.198A	---	12
13	213.348	---	---	213.203	---	213.494	213.406	213.376	213.259	213.216	---	---	13
14	213.352	---	---	213.211	---	213.494	213.409	213.364	213.276	213.208	---	---	14
15	213.344	---	---	213.208	---	213.494	213.408	213.384	213.294	213.200	---	---	15
16	213.332	---	---	213.204	---	213.463	213.413	213.361	213.265	213.185	---	---	16
17	213.328	---	---	213.199	---	213.488	213.385	213.354	213.262	213.165	---	---	17
18	213.325	---	---	213.205	---	213.489	213.419	213.358	213.256	213.189	---	---	18
19	213.323	---	---	213.205	---	213.482	213.427	213.353	213.251	213.197	---	---	19
20	213.318	---	---	213.199	---	213.475	213.450	213.348	213.257	213.210	---	---	20
21	213.319	---	---	213.192	213.442A	213.470	213.428	213.348	213.255	213.204	---	---	21
22	213.320	---	---	213.191	213.440	213.454	213.422	213.345	213.242	213.198	---	---	22
23	213.321	---	---	213.191	213.444	213.461	213.426	213.334	213.222	213.207	---	---	23
24	213.315	---	---	213.200	213.445	213.466	213.427	213.337	213.225	213.213	---	---	24
25	213.300A	---	---	213.215	213.452	213.457	213.413	213.338	213.227	213.211	---	---	25
26	---	---	---	213.229	213.449	213.463	213.415	213.317	213.199	213.213	---	---	26
27	---	---	---	213.239	213.428	213.441	213.413	213.312	213.172	213.219	---	---	27
28	---	---	---	213.245	213.439	213.419	213.413	213.294	213.113	213.222	---	---	28
29	---		---	213.261	213.424	213.418	213.413	213.308	213.168	213.249	---	---	29
30	---		---	213.278	213.433	213.417	213.419	213.299	213.214	213.268	---	---	30
31	---		---		213.452		213.380	213.281		213.255		---	31
MEAN	---	---	---	---	---	213.478	213.414	213.352	213.255	213.214	---	---	MEAN
MAX	---	---	---	---	---	213.509	213.450	213.395	213.318	213.268	---	---	MAX
MIN	---	---	---	---	---	213.417	213.380	213.281	213.113	213.165	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1982

MAXIMUM DAILY, 213.509 ON JUN 3

MAXIMUM INSTANTANEOUS,
213.543 AT 10:54 CST ON JUN 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 18 10 N
LONG 98 26 20 W

A - MANUAL GAUGE

REGULATED SINCE 1973

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO ENT.)

KISKITTOGISU LAKE NEAR NORWAY HOUSE - STATION NO. 05UB007

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	216.487A	217.180	217.605	217.582	217.437	216.854	216.697	216.181	1
2	---	---	---	---	216.524	217.244	217.625	217.628	217.428	216.918	216.657	216.172	2
3	---	---	---	---	216.585	217.377	217.634	217.670	217.430	216.923	216.566	216.168	3
4	---	---	---	---	216.639	217.439	217.698	217.677	217.377	216.854	216.501	216.181	4
5	---	---	---	---	216.689	217.546	217.651	217.677	217.302	216.824	216.509	216.124	5
6	---	---	---	---	216.709	217.674	217.543	217.682	217.346	216.860	216.567	216.121	6
7	---	---	---	215.724A	216.691	217.641	217.463	217.650	217.437	216.900	216.578	216.127	7
8	---	---	---	---	216.663	217.328	217.493	217.377	217.469	216.932	216.569	216.158	8
9	---	---	---	---	216.716	217.618	217.574	217.290	217.433	216.955	216.591	216.196	9
10	---	---	---	---	216.799	217.426	217.623	217.386	217.382	216.872	216.661	216.226	10
11	---	---	---	---	216.870	217.405	217.646	217.539	217.354	216.773	216.616	216.253	11
12	---	---	---	---	216.943	217.411	217.573	217.742	217.322	216.783	216.657	216.289	12
13	---	---	---	---	217.016	217.439	217.525	217.810	217.213	216.796	216.342	216.303	13
14	---	---	---	---	217.054	217.453	217.575	217.768	217.141	216.785	216.298	216.306	14
15	215.899A	---	---	---	217.053	217.467	217.596	217.712	217.168	216.698	216.269	216.310	15
16	---	---	---	---	217.070	217.431	217.603	217.604	217.201	216.621	216.261	216.313	16
17	---	---	---	---	217.129	217.395	217.474	217.614	217.184	216.611	216.233	216.309	17
18	---	---	---	---	217.144	217.448	217.465	217.637	217.103	216.606	216.227	216.293	18
19	---	---	---	---	217.129	217.495	217.597	217.556	216.926	216.617	216.232	216.278	19
20	---	---	---	---	217.212	217.475	217.654	217.511	216.926	216.635	216.229	216.262	20
21	---	---	---	---	217.275	217.469	217.565	217.535	216.967	216.656	216.175	216.246	21
22	---	---	---	---	217.308	217.542	217.579	217.503	216.987	216.688	216.105	216.221	22
23	---	---	---	---	217.343	217.614	217.656	217.461	216.943	216.752	216.056	216.209	23
24	---	---	---	---	217.390	217.626	217.665	217.417	216.913	216.793	216.045	216.205	24
25	---	---	---	---	217.426	217.637	217.562	217.352	216.969	216.798	216.040	216.195	25
26	---	---	---	---	217.459	217.516	217.551	217.308	216.984	216.833	216.071	216.195	26
27	---	---	---	---	217.326	217.479	217.585	217.198	216.872	216.866	216.105	216.192	27
28	---	---	---	---	217.192	217.427	217.619	217.234	216.818	216.858	216.147	216.191	28
29	---		---	---	217.003	217.452	217.591	217.348	216.841	216.806	216.166	216.173	29
30	---		---	---	217.023	217.543	217.600	217.352	216.845	216.722	216.181	216.165	30
31	---		---		217.117		217.587	217.388		216.695		216.172	31
MEAN	---	---	---	---	216.999	217.447	217.586	217.523	217.156	216.783	216.338	216.216	MEAN
MAX	---	---	---	---	217.459	217.674	217.698	217.810	217.469	216.955	216.697	216.313	MAX
MIN	---	---	---	---	216.487	217.180	217.463	217.198	216.818	216.606	216.040	216.121	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 31 46 N
LONG 98 07 27 W

MAXIMUM DAILY, 217.810 ON AUG 13

MAXIMUM INSTANTANEOUS,
217.854 AT 02:25 CST ON AUG 13

REGULATED SINCE 1973

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

KISSISSING LAKE AT COLD LAKE - STATION NO. 06EA009

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	30.005	---	---	---	---	---	30.278	30.199	30.210	30.131	---	---	1
2	30.004	---	---	---	---	---	30.258	30.179	30.217	30.132	---	---	2
3	30.005	---	---	---	---	---	30.262	30.192	30.217	30.125A	---	---	3
4	30.007	---	---	---	---	---	30.277	30.209	30.219	---	---	---	4
5	30.009E	---	---	---	---	---	30.277	30.215	30.200	---	---	---	5
6	30.011E	---	---	---	---	---	30.273	30.217	30.192	---	---	---	6
7	30.012E	---	---	---	---	---	30.285	30.235	30.190	---	---	---	7
8	30.013E	---	---	---	---	---	30.272	30.226	30.197	---	---	---	8
9	30.014E	---	---	---	---	---	30.268	30.220	30.194	---	---	---	9
10	30.014E	---	---	---	---	---	30.270	30.214	30.187	---	---	---	10
11	30.015A	---	---	---	---	---	30.267	30.205	30.200	---	---	---	11
12	30.012	---	---	---	---	---	30.267	30.212	30.194	---	---	---	12
13	30.010	---	---	---	---	---	30.259	30.202	30.182	---	---	---	13
14	30.016	---	---	---	---	30.265A	30.252	30.239	30.175	---	---	---	14
15	30.012	---	---	---	---	30.260	30.255	30.266	30.173	---	---	---	15
16	30.010	---	---	---	---	30.248	30.260	30.255	30.169	---	---	---	16
17	30.009	---	---	---	---	30.250	30.253	30.248	30.164	---	---	---	17
18	30.008	---	---	---	---	30.252	30.252	30.262	30.177	---	---	---	18
19	30.008	---	---	---	---	30.262	30.250	30.255	30.161	---	---	---	19
20	---	---	---	---	---	30.260	30.273	30.249	30.158	---	---	---	20
21	---	---	---	---	---	30.254	30.250	30.245	30.154	---	---	---	21
22	---	---	---	---	---	30.263	30.219	30.243	30.150	---	---	---	22
23	---	---	---	---	---	30.276	30.239	30.235	30.148	---	---	---	23
24	---	---	---	---	---	30.287	30.239	30.239	30.135	---	---	---	24
25	---	---	---	---	---	30.297	30.232	30.235	30.138	---	---	---	25
26	---	---	---	---	---	30.305	30.230	30.230	30.134	---	---	---	26
27	---	---	---	---	---	30.300	30.223	30.214	30.111	---	---	---	27
28	---	---	---	---	---	30.287	30.230	30.201	30.091	---	---	---	28
29	---		30.824A	---	---	30.289	30.234	30.212	30.117	---	---	---	29
30	---		---	---	---	30.293	30.234	30.209	30.130	---	---	---	30
31	---		---		---		30.230	30.199		---		---	31
MEAN	---	---	---	---	---	---	30.253	30.226	30.170	---	---	---	MEAN
MAX	---	---	---	---	---	---	30.305	30.266	30.219	---	---	---	MAX
MIN	---	---	---	---	---	---	30.219	30.179	30.091	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

A - MANUAL GAUGE

E - ESTIMATED

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 07 50 N
LONG 101 06 50 W

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

KRONSGART DRAIN NEAR SEWELL - STATION NO. 05OC024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.114B	0	0	---	---	---	---	---	---	1
2	---	---	0 B	0.109B	0	0	---	---	---	---	---	---	2
3	---	---	0 B	0.097B	0	0	---	---	---	---	---	---	3
4	---	---	0 B	0.086B	0	0	---	---	---	---	---	---	4
5	---	---	0 B	0.075B	0	0	---	---	---	---	---	---	5
6	---	---	0 B	0.066B	0	0.988	---	---	---	---	---	---	6
7	---	---	0 B	0.057B	0	5.95	---	---	---	---	---	---	7
8	---	---	0 B	0.048B	0	4.29	---	---	---	---	---	---	8
9	---	---	0 B	0.039B	0	2.29	---	---	---	---	---	---	9
10	---	---	0 B	0.030B	0	1.56	---	---	---	---	---	---	10
11	---	---	0 B	0.270B	0	0.959	---	---	---	---	---	---	11
12	---	---	0 B	1.52 B	0	0.517	---	---	---	---	---	---	12
13	---	---	0 B	3.30 B	0	0.317	---	---	---	---	---	---	13
14	---	---	0 B	2.65 B	0	0.223	---	---	---	---	---	---	14
15	---	---	0 B	2.05 B	0	0.167	---	---	---	---	---	---	15
16	---	---	0 B	1.28 B	0	0.123	---	---	---	---	---	---	16
17	---	---	0 B	0.537	0	0.088	---	---	---	---	---	---	17
18	---	---	0 B	0.261E	0	0.060	---	---	---	---	---	---	18
19	---	---	0 B	0.158E	0	0.043	---	---	---	---	---	---	19
20	---	---	0 B	0.072A	0	0.027	---	---	---	---	---	---	20
21	---	---	0 B	0.060E	0	0.016	---	---	---	---	---	---	21
22	---	---	0 B	0.048E	0	0.007	---	---	---	---	---	---	22
23	---	---	0 B	0.036E	0	0.002	---	---	---	---	---	---	23
24	---	---	0 B	0.024E	0	0	---	---	---	---	---	---	24
25	---	---	0 B	0.012E	0	0	---	---	---	---	---	---	25
26	---	---	0 B	0 E	0	0	---	---	---	---	---	---	26
27	---	---	0 B	0 A	0	0	---	---	---	---	---	---	27
28	---	---	0.131B	0	0	0	---	---	---	---	---	---	28
29	---		0.183B	0	0	0	---	---	---	---	---	---	29
30	---		0.157B	0	0	0	---	---	---	---	---	---	30
31	---		0.131B		0		---	---	---	---	---	---	31
TOTAL	---	---	0.602	12.999	0	17.627	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.019	0.433	0	0.588	---	---	---	---	---	---	MEAN
MAX	---	---	0.183	3.30	0	5.95	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.256
MAXIMUM DAILY, 5.95 ON JUN 7
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
6.50 AT 09:39 CST ON JUN 7

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 16 50 N
LONG 97 31 38 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	52.0	SEP	---
APR	1 120	OCT	---
MAY	0	NOV	---
JUN	1 520	DEC	---

TOTAL DISCHARGE, 2 690 dam³

LA SALLE RIVER AT SANFORD - STATION NO. 05OG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	3.11 B	0.124	0	0.003	0.011	0.004	0.008	0	0B	1
2	0B	0B	0 B	3.04 B	0.088	0	0.007	0.011	0.002	0.005	0	0B	2
3	0B	0B	0 B	2.96 B	0.096	0	0.010	0.015	0	0.001	0	0B	3
4	0B	0B	0 B	2.89 B	0.126	0	0.008	0.011	0	0	0	0B	4
5	0B	0B	0 B	2.82 B	0.105	0	0.016	0.008	0	0	0	0B	5
6	0B	0B	0 B	2.75 B	0.072	0	0.013	0.008	0				
7	0B	0B	0 B	2.69 B	0.055	0	0.006	0.005	0.003	0	0	0B	6
8	0B	0B	0 B	2.62 B	0.032	0	0.002		0.007	0	0	0B	7
9	0B	0B	0 B	2.56 B	0.044	0.002	0.002	0	0.005	0	0	0B	8
10	0B	0B	0 B	2.49 B	0.069	0	0.002	0.001	0.005	0.001	0B	0B	9
11	0B	0B	0 B	3.66 B	0.079	0	0.004	0.002	0.004	0.003	0B	0B	10
12	0B	0B	0 B	4.85 B	0.060	0	0.004	0.001	0.002	0.001	0B	0B	11
13	0B	0B	0 B	13.6 B	0.055	0	0.003	0	0.001	0	0B	0B	12
14	0B	0B	0 B	21.8 B	0.053	0	0.005	0	0	0.002	0B	0B	13
15	0B	0B	0 B	27.9 B	0.045	0	0.010	0	0	0.003	0B	0B	14
16	0B	0B	0 B	30.2 B	0.031	0	0.012	0	0.001	0.003	0B	0B	15
17	0B	0B	0 B	22.7 B	0.041	0	0.025	0	0.002	0.006	0B	0B	16
18	0B	0B	0 B	10.5 B	0.068	0	0.017	0	0.001	0.005	0B	0B	17
19	0B	0B	0 B	6.36 B	0.059	0	0.016	0	0	0.005	0B	0B	18
20	0B	0B	0 B	4.55 B	0.035	0	0.014	0	0	0.004	0B	0B	19
21	0B	0B	0 B	3.57 B	0.024	0	0.010	0	0	0.004	0B	0B	20
22	0B	0B	0 B	3.23 B	0.016	0	0.009	0	0.002	0.004	0B	0B	21
23	0B	0B	0 B	2.65	0.005	0	0.011	0	0.005	0.005	0B	0B	22
24	0B	0B	0 B	1.92	0	0	0.018	0	0.006	0.004	0B	0B	23
25	0B	0B	0 B	1.28	0	0	0.017	0	0.007	0.005	0B	0B	24
26	0B	0B	0 B	0.974	0	0	0.013	0	0.006	0.002	0B	0B	25
27	0B	0B	0 B	0.711	0	0.003	0.015	0	0.007	0	0B	0B	26
28	0B	0B	0.680B	0.505	0	0.005	0.018	0	0.019	0	0B	0B	27
29	0B		3.66 B	0.298	0	0.004	0.028	0	0.022	0	0B	0B	28
30	0B		3.42 B	0.276	0	0.003	0.018	0	0.015	0	0B	0B	29
31	0B		3.18 B		0		0.016	0.001		0		0B	30
												0B	31
TOTAL	0	0	10.860	189.464	1.382	0.017	0.342	0.074	0.126	0.071	0	0	TOTAL
MEAN	0	0	0.350	6.32	0.005	0.001	0.011	0.002	0.004	0.002	0	0	MEAN
MAX	0	0	3.66	30.2	0.126	0.005	0.025	0.015	0.022	0.008	0	0	MAX
MIN	0	0	0	0.276	0	0	0.002	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.554
MAXIMUM DAILY, 30.20 ON APR 16
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
30.90 AT 09:06 CST ON APR 16

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 45 N
LONG 97 25 06 W
DRAINAGE AREA, 1 900 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	20.5
FEB	0	AUG	6.39
MAR	938	SEP	10.9
APR	16 400	OCT	6.13
MAY	119	NOV	0
JUN	1.47	DEC	0

TOTAL DISCHARGE, 17 500 dam³

LA SALLE RIVER NEAR ELIE - STATION NO. 05OG008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.032B	0.130	0.007	0.004	0.002	0	0	---	---	1
2	---	---	0 B	0.049B	0.124	0.003	0.004	0.001	0	0	---	---	2
3	---	---	0 B	0.068B	0.115	0.001	0.004	0.001	0	0	---	---	3
4	---	---	0 B	0.086B	0.111	0.001	0.003	0.001	0	0	---	---	4
5	---	---	0 B	0.164B	0.094	0.001	0.004	0.001	0	0	---	---	5
6	---	---	0 B	0.245B	0.086	0.001	0.002	0.001	0	0	---	---	6
7	---	---	0 B	0.353B	0.083	0.006	0.002	0.001	0	0	---	---	7
8	---	---	0 B	0.481B	0.062	0.002	0.001	0	0	0	---	---	8
9	---	---	0 B	0.675B	0.050	0.002	0.002	0	0	0	---	---	9
10	---	---	0 B	1.03 B	0.053	0.002	0.002	0	0	0	---	---	10
11	---	---	0 B	1.50 B	0.034	0.001E	0.003	0	0	0	---	---	11
12	---	---	0 B	1.98 B	0.015	0.001	0.003	0	0	0	---	---	12
13	---	---	0 B	2.47 B	0.030	0.001	0.003	0	0	0	---	---	13
14	---	---	0 B	2.67	0.039	0.001	0.002	0	0	0	---	---	14
15	---	---	0 B	2.62	0.047	0	0.001	0	0	0	---	---	15
16	---	---	0 B	1.71	0.040	0	0.001	0	0	0	---	---	16
17	---	---	0 B	1.74	0.083	0	0.002	0	0	0	---	---	17
18	---	---	0 B	1.33	0.118	0	0.001	0	0	0	---	---	18
19	---	---	0 B	0.866	C.111	0	0.001	0.001	0	0	---	---	19
20	---	---	0 B	0.825	0.101	0	0.001	0.001	0	0	---	---	20
21	---	---	0 B	0.618	0.089	0.001	0.001	0.001	0	0	---	---	21
22	---	---	0 B	0.494	0.084	0.003	0	0.001	0	0	---	---	22
23	---	---	0 B	0.406	0.072	0.003	0	0.001	0	0	---	---	23
24	---	---	0 B	0.338	0.061	0.003	0	0.001	0	0	---	---	24
25	---	---	0.001B	0.286	0.047	0.003	0	0.001	0	0	---	---	25
26	---	---	0.002B	0.240	0.033	0.003	0	0.001	0	0	---	---	26
27	---	---	0.003B	0.200	0.022	0.004	0	0	0	0	---	---	27
28	---	---	0.005B	0.160	0.016	0.004	0	0	0	0	---	---	28
29	---		0.008B	0.139	0.010	0.004	0.003	0	0	0	---	---	29
30	---		0.011B	0.142	0.009	0.005	0.003	0	0	0		---	30
31	---		0.015B		0.009		0.002	0		0		---	31
TOTAL	---	---	0.045	23.717	1.982	0.063	0.055	0.016	0	0	---	---	TOTAL
MEAN	---	---	0.001	0.791	0.064	0.002	0.002	0.001	0	0	---	---	MEAN
MAX	---	---	0.015	2.67	0.134	0.007	0.004	0.002	0	0	---	---	MAX
MIN	---	---	0	0.032	0.009	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.106
MAXIMUM DAILY, 2.67 ON APR 14
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.90 AT 22:17 CST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 13 N
LONG 97 45 54 W
DRAINAGE AREA, 198 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	4.75
FEB	---	AUG	1.38
MAR	3.89	SEP	0
APR	2 050	OCT	0
MAY	171	NOV	---
JUN	5.44	DEC	---

TOTAL DISCHARGE, 2 240 dam³

LAKE MANITOBA AT STEEP ROCK - STATION NO. 05LK002

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.353	247.374	247.385	247.381	247.488	247.417	247.481	247.445	247.405	247.369	247.400	247.381	1
2	247.353	247.374	247.379	247.379	247.485	247.441	247.498	247.451	247.392	247.377	247.365	247.391	2
3	247.360	247.376	247.381	247.378	247.451	247.488	247.535	247.491	247.392	247.365	247.320	247.398	3
4	247.361	247.376	247.380	247.389	247.461	247.513	247.567	247.499	247.391	247.360	247.309	247.395	4
5	247.366	247.382	247.381	247.395	247.473	247.544	247.583	247.510	247.366	247.333	247.326	247.396	5
6	247.371	247.386	247.376	247.400	247.469	247.574	247.573	247.508	247.383	247.299	247.364	247.396	6
7	247.377	247.388	247.372	247.400	247.425	247.539	247.548	247.500	247.401	247.303	247.347	247.397	7
8	247.378	247.387	247.369	247.401	247.421	247.518	247.524	247.480	247.411	247.331	247.364	247.398	8
9	247.378	247.388	247.373	247.399	247.399	247.519	247.508	247.377	247.420	247.309	247.400	247.406	9
10	247.371	247.390	247.370	247.392	247.396	247.518	247.517	247.395	247.402	247.254	247.410	247.406	10
11	247.370	247.387	247.375	247.395	247.409	247.483	247.510	247.437	247.401	247.241	247.377	247.405	11
12	247.373	247.386	247.378	247.391	247.429	247.486	247.495	247.481	247.400	247.278	247.328	247.406	12
13	247.370	247.387	247.378	247.398	247.452	247.476	247.460	247.481	247.343	247.308	247.351	247.403	13
14	247.377	247.392	247.378	247.396	247.448	247.475	247.471	247.503	247.324	247.323	247.359	247.400	14
15	247.376	247.393	247.378	247.396	247.418	247.472	247.495	247.506	247.360	247.303	247.365	247.403	15
16	247.379	247.393	247.377	247.395	247.444	247.463	247.519	247.488	247.384	247.322	247.370	247.405	16
17	247.378	247.397	247.371	247.401	247.459	247.467	247.514	247.477	247.358	247.358	247.376	247.409	17
18	247.376	247.396	247.373	247.405	247.450	247.465	247.509	247.489	247.357	247.303	247.381	247.400	18
19	247.373	247.399	247.375	247.407	247.435	247.488	247.526	247.469	247.298	247.310	247.381	247.395	19
20	247.372	247.397	247.371	247.415	247.457	247.478	247.527	247.449	247.320	247.327	247.381	247.394	20
21	247.369	247.399	247.376	247.425	247.482	247.455	247.492	247.444	247.344	247.358	247.369	247.396	21
22	247.362	247.395	247.376	247.435	247.500	247.472	247.488	247.430	247.366	247.363	247.388	247.398	22
23	247.360	247.392	247.377	247.439	247.516	247.491	247.506	247.431	247.389	247.386	247.388	247.394	23
24	247.366	247.388	247.369	247.439	247.541	247.467	247.511	247.410	247.312	247.387	247.390	247.388	24
25	247.368	247.389	247.369	247.433	247.542	247.475	247.489	247.403	247.366	247.384	247.390	247.392	25
26	247.375	247.383	247.365	247.438	247.546	247.494	247.472	247.399	247.336	247.405	247.389	247.396	26
27	247.373	247.382	247.368	247.445	247.537	247.479	247.472	247.372	247.272	247.420	247.390	247.393	27
28	247.374	247.385	247.370	247.450	247.526	247.451	247.488	247.390	247.367E	247.421	247.385	247.391	28
29	247.370		247.371	247.460	247.462	247.462	247.475	247.371	247.338E	247.434	247.383	247.392	29
30	247.370		247.378	247.459	247.481	247.465	247.483	247.382	247.372E	247.436	247.382	247.394	30
31	247.376		247.380		247.472		247.476	247.399		247.434		247.395	31
MEAN	247.370	247.388	247.375	247.411	247.463	247.483	247.507	247.446	247.363	247.348	247.371	247.397	MEAN
MAX	247.379	247.399	247.385	247.460	247.546	247.576	247.583	247.510	247.420	247.436	247.410	247.409	MAX
MIN	247.353	247.374	247.365	247.378	247.396	247.417	247.460	247.371	247.272	247.241	247.309	247.381	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 247.410
MAXIMUM DAILY, 247.583 ON JUL 5
MINIMUM DAILY, 247.241 ON OCT 11
MAXIMUM INSTANTANEOUS,
247.717 AT 22:30 CST ON AUG 14

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 26 26 N
LONG 98 48 13 W

E - ESTIMATED

REGULATED SINCE 1934

LAKE MANITOBA AT THE NARROWS - STATION NO. 05LK003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.372E	247.364	247.369	247.378	---	---	247.505	247.494	247.382	247.360	247.373	---	1
2	247.372E	247.366	247.366	247.381	---	---	247.522	247.483	247.364	247.351	247.246A	---	2
3	247.373E	247.364	247.371	247.386	---	247.509A	247.486	247.458	247.417	247.355	---	---	3
4	247.373E	247.365	247.372	247.387A	---	247.535	247.486	247.435	247.335	247.362	---	---	4
5	247.374E	247.367	247.376	---	---	247.576	247.518	247.466	247.388	247.318	---	---	5
6	247.374E	247.371	247.366	---	---	247.523	247.468	247.471	247.455	247.289	---	---	6
7	247.375E	247.366	247.366	---	---	247.273	247.491	247.356	247.401	247.321	---	---	7
8	247.375A	247.365	247.363	---	---	247.497	247.478	247.184	247.390	247.357	---	---	8
9	247.374	247.367	247.369	---	---	247.465	247.480	247.392	247.388	247.291	---	---	9
10	247.371	247.370	247.363	---	---	247.484	247.491	247.441	247.400	247.159	---	---	10
11	247.370	247.366	247.368	---	---	247.482	247.468	247.506	247.345	247.285	---	---	11
12	247.378	247.365	247.366	---	---	247.485	247.459	247.579	247.405	247.367	---	---	12
13	247.376	247.366	247.363.	---	247.475A	247.493	247.463	247.426	247.243	247.374	---	---	13
14	247.380	247.369	247.367	---	---	247.462	247.485	247.482	247.348	247.369	---	---	14
15	247.373	247.368	247.369	---	---	247.471	247.495	247.489	247.381	247.275	---	---	15
16	247.377	247.371	247.367	---	---	247.411	247.491	247.428	247.368	247.434	---	247.399A	16
17	247.376	247.373	247.366	---	---	247.446	247.421	247.451	247.328	247.455	---	247.408	17
18	247.374	247.370	247.369	---	---	247.477	247.486	247.427	247.316	247.256	---	247.395	18
19	247.371	247.371	247.370	---	---	247.496	247.549	247.398	247.214	247.339	---	247.395	19
20	247.367	247.370	247.370	---	---	247.421	247.474	247.406	247.361	247.361	---	247.398	20
21	247.367	247.370	247.372	---	---	247.456	247.456	247.434	247.369	247.388	---	247.399	21
22	247.363	247.363	247.373	247.434A	---	247.589	247.510	247.398	247.386	247.377	---	247.397	22
23	247.366	247.364	247.373	---	---	247.501	247.485	247.419	247.209	247.410	---	247.402	23
24	247.365	247.362	247.369	---	---	247.300	247.445	247.382	247.324	247.354	---	247.401	24
25	247.369	247.366	247.369	---	---	247.486	247.434	247.371	247.399	247.378	---	247.406	25
26	247.373	247.361	247.366	---	---	247.490	247.471	247.355	247.288	247.397	---	247.406	26
27	247.370	247.362	247.367	---	---	247.439	247.450	247.371	247.285	247.387	---	247.401	27
28	247.369	247.368	247.370	247.422A	---	247.430	247.459	247.513	247.392	247.328	---	247.402	28
29	247.366		247.367	---	---	247.462	247.393	247.332	247.363	247.308	---	247.415A	29
30	247.366		247.373	---	---	247.469	247.487	247.410	247.297	247.359	---	247.417E	30
31	247.372		247.382		---		247.461	247.390		247.382		247.419E	31
MEAN	247.372	247.367	247.369	---	---	---	247.473	247.422	247.350	247.343	---	---	MEAN
MAX	247.380	247.373	247.382	---	---	---	247.549	247.579	247.455	247.455	---	---	MAX
MIN	247.363	247.361	247.363	---	---	---	247.393	247.184	247.209	247.159	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1982

MAXIMUM DAILY, 247.579 ON AUG 12
MINIMUM DAILY, 247.159 ON OCT 10
MAXIMUM INSTANTANEOUS,
247.694 AT 11:27 CST ON AUG 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 04 50 N
LONG 98 46 50 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1934

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE MANITOBA NEAR TOUTES AIDES - STATION NO. 05LK004

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.278	247.294	247.282	247.348	247.441	247.395	247.415	247.490E	247.272	247.246	247.298	247.297E	1
2	247.278	247.290	247.280	247.336	247.435	247.319	247.546	247.518A	247.244	247.269	247.256	247.307E	2
3	247.277	247.297	247.280	247.333	247.433	247.327	247.596	247.447	247.267	247.274	247.196	247.316E	3
4	247.277	247.298	247.280	247.333	247.423	247.375	247.539	247.414	247.292	247.285	247.183	247.311E	4
5	247.276	247.303	247.279	247.338	247.393	247.455	247.496	247.410	247.278	247.248	247.174	247.310E	5
6	247.274	247.305	247.277	247.345	247.392	247.537	247.466	247.437	247.331	247.272	247.257	247.310E	6
7	247.274	247.306	247.277	247.352	247.318	247.450	247.365	247.377	247.355	247.235	247.281	247.311E	7
8	247.272	247.302	247.278	247.359	247.319	247.398	247.352	247.296	247.381	247.203	247.254	247.312E	8
9	247.272	247.300	247.290	247.363	247.351	247.426	247.383	247.276	247.337	247.202	247.307	247.322E	9
10	247.271	247.305	247.289	247.362	247.345	247.396	247.384	247.278	247.335	247.255	247.321	247.322E	10
11	247.271	247.303	247.291	247.369	247.308	247.363	247.375	247.332	247.270	247.192	247.365	247.321E	11
12	247.280	247.308	247.298	247.368	247.347	247.334	247.379	247.422	247.290	247.166	247.251	247.322E	12
13	247.287	247.299	247.294	247.370	247.373	247.403	247.397	247.417	247.295	247.191	247.261	247.320E	13
14	247.291	247.304	247.297	247.383	247.372	247.408	247.413	247.453	247.271	247.206	247.272	247.317E	14
15	247.283	247.303	247.301	247.391	247.411	247.399	247.448	247.434	247.222	247.196	247.287	247.313A	15
16	247.283	247.309	247.299	247.394	247.407	247.446	247.475	247.415	247.255	247.211	247.296	247.325	16
17	247.298A	247.310	247.296	247.393	247.391	247.382	247.485	247.409	247.237	247.316	247.303	247.335	17
18	247.297	247.308	247.292	247.400	247.356	247.361	247.375	247.409	247.251	247.301	247.315	247.329	18
19	247.293	247.307	247.296	247.401	247.368	247.403	247.485	247.358	247.187	247.222	247.312	247.324	19
20	247.298A	247.305	247.299	247.405	247.372	247.376	247.418	247.330	247.181	247.202	247.303	247.326	20
21	247.298A	247.306	247.304	247.410	247.391	247.383	247.414	247.332	247.207	247.218	247.290	247.326	21
22	247.291	247.298	247.308	247.421	247.419	247.411	247.416	247.318	247.264	247.279	247.291	247.325	22
23	247.286	247.293	247.316	247.430	247.451	247.407	247.416	247.284	247.275	247.323	247.299	247.327	23
24	247.280A	247.288	247.314	247.431	247.454	247.405	247.415	247.285	247.228	247.319	247.305	247.325	24
25	247.289	247.289	247.318	247.434	247.446	247.354	247.415	247.257	247.232	247.337	247.303	247.331	25
26	247.300	247.286	247.319	247.429	247.456	247.399	247.412	247.212	247.286	247.369	247.305E	247.338	26
27	247.303	247.286	247.325	247.438	247.482	247.380	247.409	247.154	247.348	247.408	247.306E	247.336	27
28	247.297	247.288	247.331	247.449	247.460	247.407	247.411	247.228	247.434	247.384	247.301E	247.327	28
29	247.297		247.338	247.454	247.425	247.376	247.402	247.277	247.319	247.292	247.299E	247.331	29
30	247.299		247.343	247.451	247.407	247.367	247.416A	247.263	247.258	247.199	247.298E	247.339	30
31	247.297		247.343		247.337		247.457E	247.306		247.236		247.346	31
MEAN	247.285	247.299	247.301	247.389	247.396	247.393	247.429	247.309	247.278	247.284	247.281	247.322	MEAN
MAX	247.302	247.310	247.343	247.454	247.482	247.537	247.596	247.518	247.434	247.408	247.365	247.366	MAX
MIN	247.271	247.286	247.277	247.333	247.368	247.295	247.353	247.154	247.181	247.166	247.163	247.297	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1982

MEAN, 247.332
MAXIMUM DAILY, 247.596 ON JUL 3
MINIMUM DAILY, 247.163 ON NOV 6
MAXIMUM INSTANTANEOUS,
247.673 AT 01:00 CST ON JUL 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 31 18 N
LONG 99 32 23 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1934

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE MANITOBA NEAR WESTBOURNE - STATION NO. 05LL012

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.360	247.361	247.364	247.376	247.408	247.661	---	247.489	247.363	247.300	---	247.376	1
2	247.366	247.363	247.368	247.387	247.413	247.540	---	247.440	247.423	247.276	---	247.392	2
3	247.360	247.359	247.365	247.389	247.421	247.440	---	247.421	247.376	247.312	---	247.386	3
4	247.363	247.361	247.362	247.383	247.385	247.430	---	247.487	247.480	247.384	247.487A	247.389	4
5	247.365	247.360	247.351	247.380	247.339	247.353	---	247.426	247.456	247.408	247.385	247.381	5
6	247.353	247.355	247.357	247.378	247.368	247.417	---	247.423	247.342	247.498	247.383	247.376	6
7	247.352	247.363	247.359	247.376	247.483	247.622	---	247.455	247.343	247.402	247.384	247.371	7
8	247.367	247.360	247.357	247.367	247.486	247.502	---	247.675	247.372	247.360	247.342	247.368	8
9	247.346	247.356	247.355	247.369	247.506	247.504	---	247.590	247.370	247.459	247.390	247.368	9
10	247.348	247.353	247.355	247.373	247.539	247.472	---	247.488	247.374	247.635	247.398	247.372	10
11	247.355	247.359	247.353	247.378	247.497	247.579A	---	247.360	247.382	247.579	247.251	247.372	11
12	247.354	247.362	247.352	247.384	247.461	---	---	247.228	247.336	247.648	247.216	247.379	12
13	247.358	247.363	247.348	247.387	247.453	---	---	247.346	247.575	247.384	247.345	247.379	13
14	247.356	247.366	247.358	247.391	247.481	---	---	247.348	247.486	247.404	247.363	247.380	14
15	247.350	247.367	247.359	247.403	247.561	---	247.472A	247.350	247.332	247.477	247.348	247.378	15
16	247.363	247.373	247.359	247.416	247.524	---	247.532	247.398	247.322	247.375	247.348A	247.375	16
17	247.358	247.372	247.367	247.435	247.531	---	247.508	247.388	247.375	247.322	---	247.374	17
18	247.353	247.373	247.364	247.455	247.577	---	247.502	247.393	247.361	247.524	---	247.376	18
19	247.352	247.372	247.363	247.473	247.598	---	247.405	247.431	247.529	247.420	---	247.377	19
20	247.353	247.372	247.363	247.446	247.545	---	247.472	247.437	247.362	247.373	---	247.380	20
21	247.359	247.373	247.359	247.427	247.514	---	247.523	247.432	247.302	---	---	247.383	21
22	247.366	247.370	247.358	247.412	247.497	---	247.455	247.453	247.295	---	---	247.386	22
23	247.367	247.368	247.357	247.416	247.458	---	247.455	247.414	247.484	---	---	247.387	23
24	247.361	247.369	247.359	247.413	247.433	---	247.456	247.461	247.361	---	247.378A	247.384	24
25	247.359	247.366	247.359	247.421	247.435	---	247.501	247.483	247.269	---	247.377	247.378	25
26	247.363	247.369	247.361	247.412	247.452	---	247.472	247.424	247.395	---	247.378	247.381	26
27	247.368	247.369	247.359	247.400	247.462	---	247.485	247.458	247.572	---	247.376	247.382	27
28	247.353	247.369	247.358	247.398	247.588	---	247.449	247.350	247.435	---	247.376	247.378	28
29	247.361		247.366	247.369	247.583	---	247.560	247.455	247.073	---	247.376	247.379	29
30	247.356		247.371	247.389	247.500	---	247.454	247.372	247.291	---	247.375	247.375	30
31	247.356		247.371		247.589		247.523	247.360		---		247.377	31
MEAN	247.356	247.365	247.360	247.400	247.487	---	---	247.427	247.379	---	---	247.379	MEAN
MAX	247.367	247.373	247.371	247.473	247.598	---	---	247.675	247.575	---	---	247.392	MAX
MIN	247.343	247.353	247.348	247.367	247.339	---	---	247.228	247.073	---	---	247.368	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 15 N
LONG 98 34 50 W

A - MANUAL GAUGE

REGULATED SINCE 1934

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE OF THE PRAIRIES NEAR SHELLMOUTH - STATION NO. 05MD009

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	425.398	424.883	424.515	424.442	425.468	425.953	426.023	426.858	426.797	426.746	426.779	426.467	1
2	425.385	424.865	424.506	424.451	425.502	425.951	426.055	426.846	426.834	426.754	426.802	426.462	2
3	425.360	424.849	424.492	424.452	425.537	425.943	426.073	426.854	426.814	426.741	426.806	426.450	3
4	425.353	424.838	424.482	424.454	425.565	425.956	426.099	426.869	426.835	426.756	426.788	426.439	4
5	425.336	424.818	424.474	424.459	425.578	425.977	426.109	426.854	426.835	426.752	426.776	426.421	5
6	425.316	424.799	424.467	424.468	425.624	426.031	426.133	426.860	426.832	426.762	426.793	426.408	6
7	425.287	424.784	424.463	424.468	425.650	426.065	426.098	426.885	426.830	426.775	426.811	426.393	7
8	425.275	424.766	424.456	424.472	425.648	426.018	426.078	426.915	426.832	426.790	426.770	426.376	8
9	425.258	424.751	424.445	424.483	425.670	426.046	426.049	426.881	426.819	426.799	426.785	426.359	9
10	425.240	424.736	424.443	424.488	425.706	426.063	426.053	426.842	426.846	426.807	426.801	426.346	10
11	425.225	424.721	424.437	424.499	425.712	426.056	426.046	426.801	426.850	426.777	426.830	426.333	11
12	425.207	424.707	424.433	424.518	425.727	426.044	426.037	426.815	426.847	426.772	426.813	426.319	12
13	425.194	424.691	424.427	424.550	425.750	426.052	426.033	426.815	426.862	426.763	426.803	426.306	13
14	425.177	424.677	424.423	424.599	425.773	426.060	426.028	426.816	426.852	426.767	426.771	426.290	14
15	425.156	424.662	424.420	424.650	425.796	426.061	426.063	426.833A	426.844	426.769	426.757	426.274	15
16	425.148	424.645	424.416	424.695	425.799	426.067	426.103	426.799E	426.855	426.753	426.739	426.256	16
17	425.129	424.632	424.417	424.744	425.820	426.052	426.233	426.763E	426.857	426.777	426.735	426.242	17
18	425.111	424.620	424.413	424.795	425.840	426.051	426.290	426.729A	426.865	426.787	426.723	426.227	18
19	425.098	424.608	424.412	424.838	425.823	426.076	426.407	426.751	426.848	426.775	426.708	426.213	19
20	425.078	424.599	424.407	424.883	425.819	426.069	426.515	426.757	426.842	426.763	426.690	426.201	20
21	425.064	424.586	424.404	424.929	425.835	426.060	426.583	426.781	426.833	426.748	426.671	426.185	21
22	425.049	424.578	424.401	424.986	425.849	426.042	426.688	426.789	426.832	426.747	426.659	426.170	22
23	425.036	424.570	424.398	425.052	425.847	426.063	426.669	426.793	426.816	426.744	426.649	426.155	23
24	425.016	424.562	424.397	425.109	425.870	426.058	426.767	426.816	426.776	426.756	426.603	426.138	24
25	424.998	424.549	424.400	425.174	425.878	426.049	426.751	426.820	426.757	426.752	426.569	426.123	25
26	424.988	424.542	424.407	425.241	425.893	426.051	426.761	426.825	426.781	426.755	426.554	426.106	26
27	424.962	424.532	424.406	425.298	425.902	426.053	426.770	426.781	426.803	426.767	426.529	426.091	27
28	424.945	424.523	424.407	425.345	425.930	426.056	426.768	426.789	426.783	426.776	426.512	426.072	28
29	424.932		424.416	425.388	425.932	426.057	426.840	426.776	426.767	426.779	426.497	426.057	29
30	424.915		424.426	425.432	425.950	426.046	426.885	426.770	426.764	426.773	426.479	426.041	30
31	424.899		424.430		425.962		426.857	426.791		426.772		426.025	31
MEAN	425.106	424.683	424.433	424.779	425.763	426.037	426.246	426.814	426.821	426.766	426.707	426.256	MEAN
MAX	425.398	424.883	424.515	425.432	425.962	426.076	426.857	426.915	426.865	426.807	426.830	426.467	MAX
MIN	424.899	424.523	424.397	424.442	425.468	425.943	426.023	426.729	426.757	426.741	426.479	426.025	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 425.887
MAXIMUM DAILY, 426.915 ON AUG 8
MINIMUM DAILY, 424.397 ON MAR 24
MAXIMUM INSTANTANEOUS,
426.966 AT 22:51 CST ON AUG 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 58 N
LONG 101 25 21 W

A - MANUAL GAUGE
E - ESTIMATED

REGULATED SINCE 1969

DRAINAGE AREA,
17 800 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE ST. MARTIN NEAR HILBRE - STATION NO. 05LM005

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	243.013	243.126	---	243.015	242.772	242.720	242.658	242.624	242.744	242.729	1
2	---	---	243.014	243.132	---	242.966	242.789	242.735	242.689	242.624	242.775	242.741	2
3	242.908A	242.902A	243.015	243.137	---	242.916	242.792	242.711	242.654	242.632	242.783	242.739	3
4	---	242.918	243.016	243.138	---	242.914	242.801	242.719	242.701	242.650	242.767	242.742	4
5	---	242.922	243.018	243.139	243.170A	242.876	242.776	242.685	242.687	242.648	242.737	242.740	5
6	---	242.932	243.021	243.185	---	242.899	242.824	242.704	242.685	242.655	242.713	242.736	6
7	---	242.937	243.024	243.148	---	242.997	242.811	242.721	242.655	242.642	242.753	242.736	7
8	---	242.936	243.027	243.148	---	242.931	242.792	242.820	242.660	242.632	242.731	242.731	8
9	---	242.938	243.035	243.155	---	242.933	242.786	242.746	242.674	242.675	242.707	242.737	9
10	---	242.946	243.043	243.156	---	242.929	242.781	242.698	242.667	242.742	242.711	242.735	10
11	---	242.950	243.046	243.159	243.155A	242.934	242.780	242.644	242.674	242.704	242.773	242.736	11
12	---	242.952	243.054	243.159	243.138	242.909	242.794	242.617	242.657	242.656	242.722	242.742	12
13	242.800A	242.955	243.056	243.156	243.138	242.907	242.784	242.667	242.736	242.644	242.715	242.743	13
14	242.808	242.964	243.062	243.162	243.142	242.919	242.765	242.622	242.683	242.668	242.718	242.743	14
15	242.804	242.967	243.069	243.173	243.167	242.896	242.760	242.670	242.638	242.704	242.720	242.748	15
16	242.802A	242.978	243.073	243.180	243.134	242.929	242.785	242.679	242.638	242.681	242.720	242.751	16
17	---	242.983	243.077	243.190	243.130	242.900	242.787	242.662	242.648	242.702	242.721	242.758	17
18	---	242.986	243.078	243.201	243.130	242.872	242.759	242.672	242.669	242.780	242.722	242.758	18
19	---	242.992	243.083	243.210	243.115	242.865	242.699	242.692	242.691	242.738	242.722	242.754	19
20	---	242.994	243.087	243.217	243.082	242.888	242.752	242.675	242.637	242.722	242.726	242.754	20
21	---	243.000	243.094	243.223	243.072	242.879	242.756	242.665	242.622	242.704	242.718	242.757	21
22	---	243.001	243.091	243.229	243.050	242.829	242.728	242.683	242.619	242.715	242.719	242.761	22
23	---	242.999	243.096	243.237	243.021	242.854	242.725	242.658	242.706	242.701	242.720	242.766	23
24	---	243.002	243.100	243.237	243.014	242.902	242.729	242.685	242.639	242.730	242.717	242.763	24
25	---	243.004	243.100	243.233	243.007	242.831	242.732	242.691	242.543	242.722	242.716	242.763	25
26	---	243.005	243.103	243.230A	242.991	242.826	242.726	242.679	242.654	242.730	242.713	242.770	26
27	---	243.006	243.105	243.210A	243.003	242.839	242.727	242.667	242.676	242.736	242.714	242.768	27
28	---	243.012	243.109	243.200A	243.051	242.850	242.710	242.617	242.660	242.767	242.719	242.767	28
29	---		243.118	---	243.043	242.827	242.763	242.672	242.608	242.767	242.719	242.764	29
30	---		243.124	---	243.000	242.808	242.705	242.651	242.644	242.729	242.728	242.766	30
31	---		243.127		243.031		242.752	242.651		242.727		242.771	31
MEAN	---	---	243.067	---	---	242.895	242.763	242.683	242.658	242.695	242.728	242.751	MEAN
MAX	---	---	243.127	---	---	243.015	242.824	242.820	242.736	242.780	242.783	242.771	MAX
MIN	---	---	243.013	---	---	242.808	242.699	242.617	242.543	242.624	242.707	242.729	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1982

MAXIMUM DAILY, 243.237 ON APR 23
MINIMUM DAILY, 242.543 ON SEP 25
MAXIMUM INSTANTANEOUS,
243.245 AT 11:12 CST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 30 33 N
LONG 98 31 38 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEG AT BERENS RIVER - STATION NO. 05RD005

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.152	217.196	217.191	217.238	217.334	217.507	217.633	217.698	217.740	217.536	217.501	217.377	1
2	217.168	217.171	217.186	217.243	217.330	217.523	217.598	217.661	217.730	217.594	217.510	217.393	2
3	217.161	217.179	217.192	217.251	217.339	217.541	217.631	217.759	217.678	217.569	217.498	217.426	3
4	217.151	217.181	217.204	217.241	217.342	217.540	217.656	217.771	217.773	217.600	217.483	217.397	4
5	217.166	217.186	217.195	217.236	217.347	217.519	217.681	217.782	217.670	217.537	217.462	217.401	5
6	217.169	217.185	217.182	217.238	217.373	217.523	217.733	217.772	217.642	217.517	217.427	217.394	6
7	217.160	217.202	217.202	217.236	217.427	217.665	217.716	217.857	217.662	217.538	217.465	217.394	7
8	217.165	217.192	217.202	217.232	217.389	217.538	217.727	217.830	217.689	217.550	217.465	217.377	8
9	217.184	217.185	217.194	217.245	217.392	217.570	217.696	217.757	217.699	217.566	217.428	217.422	9
10	217.145	217.244	217.207	217.249	217.395	217.558	217.706	217.763	217.655	217.551	217.418	217.416	10
11	217.153	217.245	217.186	217.236	217.389	217.583	217.712	217.739	217.746	217.524	217.536	217.405	11
12	217.157	217.196	217.216	217.255	217.391	217.584	217.741	217.716	217.699	217.542	217.416	217.401	12
13	217.171	217.191	217.237	217.265	217.391	217.585	217.695	217.784	217.678	217.560	217.478	217.404	13
14	217.125	217.191	217.219	217.266	217.403	217.580	217.703	217.759	217.632	217.573	217.442	217.408	14
15	217.155	217.194	217.222	217.266	217.386	217.570	217.721	217.821	217.647	217.603	217.434	217.399	15
16	217.170	217.198	217.238	217.273	217.410	217.601	217.729	217.758	217.687	217.487	217.429	217.384	16
17	217.182	217.199	217.236	217.279	217.416	217.584	217.805	217.755	217.617	217.459	217.319	217.392	17
18	217.236	217.202	217.228	217.281	217.424	217.606	217.784	217.791	217.759	217.520	217.365	217.400	18
19	217.232	217.200	217.225	217.289	217.427	217.625	217.774	217.802	217.610	217.548	217.361	217.403	19
20	217.171A	217.207	217.219	217.289	217.440	217.610	217.822	217.774	217.607	217.538	217.604	217.391	20
21	217.158	217.192	217.231	217.288	217.444	217.605	217.772	217.787	217.625	217.531	217.570	217.391	21
22	217.159	217.198	217.215	217.300	217.448	217.579	217.749	217.777	217.607	217.498	217.379	217.396	22
23	217.151	217.200	217.227	217.310	217.437	217.629	217.784	217.775	217.613	217.477	217.412	217.398	23
24	217.160	217.199	217.221	217.311	217.452	217.673	217.798	217.795	217.547	217.503	217.416	217.390	24
25	217.160	217.212	217.217	217.310	217.455	217.637	217.803	217.810	217.549	217.457	217.390	217.386	25
26	217.162	217.199	217.212	217.317	217.459	217.664	217.772	217.908	217.661	217.453	217.381	217.394	26
27	217.215	217.195	217.197	217.312	217.491	217.638	217.771	217.789	217.658	217.468	217.373	217.398	27
28	217.175	217.208	217.210	217.315	217.548	217.659	217.784	217.648	217.314	217.504	217.382	217.389	28
29	217.180		217.205	217.309	217.504	217.630	217.797	217.809	217.649	217.626	217.386	217.384	29
30	217.167		217.223	217.327	217.500	217.644	217.798	217.703	217.687	217.589	217.380	217.371	30
31	217.200		217.239		217.533		217.780	217.680		217.528		217.373	31
MEAN	217.168	217.198	217.212	217.272	217.420	217.592	217.738	217.769	217.684	217.534	217.434	217.395	MEAN
MAX	217.236	217.245	217.239	217.327	217.548	217.673	217.822	217.908	217.773	217.626	217.604	217.426	MAX
MIN	217.125	217.171	217.182	217.232	217.330	217.507	217.598	217.648	217.314	217.453	217.319	217.371	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1982

MEAN, 217.450
MAXIMUM DAILY, 217.908 ON AUG 26
MINIMUM DAILY, 217.125 ON JAN 14
MAXIMUM INSTANTANEOUS,
218.279 AT 10:11 CST ON AUG 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 21 20 N
LONG 97 00 15 W

A - MANUAL GAUGE

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEG AT GIMLI - STATION NO. 05SB006

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.155	217.195	217.210	217.247	217.315	217.805	217.593	217.805	217.742	217.658	217.437	217.391	1
2	217.186	217.206	217.211	217.261	217.321	217.698	217.572	217.638	217.838	217.560	217.628	217.429	2
3	217.196	217.193	217.211	217.292	217.326	217.461	217.591	217.679	217.716	217.672	217.699	217.429	3
4	217.169	217.194	217.208	217.291	217.337	217.432	217.507	217.811	217.746	217.515	217.680	217.403	4
5	217.183	217.197	217.204	217.285	217.339	217.388	217.603	217.755	217.858	217.755	217.466	217.425	5
6	217.183	217.185	217.199	217.275	217.334	217.326	217.616	217.781	217.601	217.656	217.294	217.401	6
7	217.157	217.196	217.213	217.266	217.375	217.803	217.873	217.760	217.481	217.640	217.468	217.384	7
8	217.184	217.200	217.217	217.256	217.498	217.775	217.720	218.250	217.623	217.534	217.531	217.399	8
9	217.163	217.201	217.209	217.247	217.454	217.525	217.672	218.143	217.635	217.670	217.296	217.346	9
10	217.197	217.185	217.208	217.256	217.454	217.664	217.656	217.802	217.685	217.926	217.247	217.446	10
11	217.209	217.200	217.222	217.269	217.456	217.650	217.706	217.594	217.677	217.877	217.451	217.425	11
12	217.175	217.210	217.210	217.268	217.423	217.683	217.766	217.319	217.633	217.598	217.884	217.397	12
13	217.194	217.204	217.225	217.273	217.395	217.615	217.826	217.509	217.813	217.513	217.442	217.439	13
14	217.158	217.201	217.230	217.273	217.423	217.621	217.686	217.602	217.850	217.630	217.379	217.423	14
15	217.182	217.201	217.228	217.271	217.492	217.672	217.653	217.669	217.600	217.871	217.288	217.387	15
16	217.157	217.205	217.230	217.287	217.480	217.567	217.735	217.789	217.488	217.667	217.436	217.376	16
17	217.162	217.207	217.260	217.292	217.460	217.761	217.609	217.742	217.796	217.301	217.445	217.344	17
18	217.185	217.203	217.269	217.290	217.480	217.667	217.884	217.629	217.639	217.693	217.090	217.374	18
19	217.203	217.205	217.264	217.305	217.532	217.571	217.582	217.906	218.022	217.599	217.364	217.385	19
20	217.177	217.205	217.259	217.309	217.481	217.727	217.648	217.846	217.686	217.625	217.528	217.380	20
21	217.203	217.209	217.251	217.308	217.461	217.733	217.912	217.748	217.504	217.403	217.971	217.375	21
22	217.209	217.207	217.248	217.302	217.454	217.642	217.735	217.880	217.461	217.463	217.676	217.390	22
23	217.236	217.221	217.239	217.301	217.421	217.508	217.622	217.802	217.755	217.317	217.470	217.400	23
24	217.203	217.220	217.240	217.306	217.399	217.902	217.805	217.840	217.748	217.447	217.393	217.387	24
25	217.195	217.218	217.242	217.315	217.402	217.686	217.876	217.884	217.310	217.445	217.408	217.376	25
26	217.176	217.213	217.239	217.321	217.387	217.512	217.803	217.900	217.429	217.386	217.382	217.359	26
27	217.178	217.217	217.235	217.320	217.452	217.716	217.787	218.067	217.768	217.340	217.368	217.385	27
28	217.198	217.213	217.222	217.316	217.579	217.730	217.744	217.730	217.531	217.525	217.406	217.386	28
29	217.204		217.220	217.315	217.734	217.742	217.897	217.598	217.151	217.611	217.402	217.368	29
30	217.220		217.225	217.310	217.599	217.633	217.770	217.842	217.626	217.624	217.397	217.349	30
31	217.178		217.243		217.566		217.778	217.575		217.432		217.355	31
MEAN	217.186	217.204	217.229	217.288	217.446	217.641	217.717	217.771	217.647	217.579	217.464	217.391	MEAN
MAX	217.236	217.221	217.269	217.321	217.734	217.902	217.912	218.250	218.022	217.926	217.971	217.446	MAX
MIN	217.154	217.185	217.199	217.247	217.315	217.326	217.507	217.319	217.151	217.301	217.090	217.344	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 217.465
MAXIMUM DAILY, 218.250 ON AUG 8
MINIMUM DAILY, 217.090 ON NOV 18
MAXIMUM INSTANTANEOUS,
218.497 AT 22:14 CST ON AUG 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 37 50 N
LONG 96 58 58 W

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEG AT MATHESON ISLAND LANDING - STATION NO. 05SD002

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	217.331	217.589	217.576	217.667	217.727	217.487	---	---	1
2	---	---	---	---	217.335	217.501	217.525	217.615	217.775	217.553	---	---	2
3	---	---	---	---	217.342	217.475	217.566	217.730	217.644	217.568	---	---	3
4	---	---	---	---	217.354	217.495	217.560	217.768	217.793	217.574	---	---	4
5	---	---	---	---	217.338	217.402	217.630	217.736	217.686	217.536	---	---	5
6	---	---	---	---	217.353	217.436	217.720	217.767	217.567	217.478	---	---	6
7	---	---	---	---	217.394	217.747	217.773	217.826	217.596	217.513	---	---	7
8	---	---	---	---	217.398	217.555	217.738	218.005	217.661	217.500	---	---	8
9	---	---	---	---	217.400	217.548	217.692	217.843	217.668	217.550	---	---	9
10	---	---	---	---	217.409	217.579	217.713	217.727	217.626	217.642	---	---	10
11	---	---	---	---	217.403	217.623	217.717	217.627	217.710	217.554	---	---	11
12	---	---	---	---	217.385	217.598	217.780	217.519	217.629	217.499	---	---	12
13	---	---	---	---	217.398	217.586	217.718	217.695	217.717	217.500	---	---	13
14	---	---	---	---	217.409	217.617	217.681	217.628	217.683	217.564	---	---	14
15	---	---	---	---	217.413	217.546	217.689	217.745	217.576	217.692	---	---	15
16	---	---	---	---	217.420	217.596	217.735	217.756	217.625	217.459	---	---	16
17	---	---	---	---	217.430	217.603	217.799	217.718	217.650	217.344	---	---	17
18	---	---	---	---	217.452	217.588	217.793	217.725	217.732	217.538	---	---	18
19	---	---	---	---	217.450	217.600	217.672	217.833	217.723	217.504	---	---	19
20	---	---	---	---	217.437	217.654	217.789	217.782	217.578	217.501	---	---	20
21	---	---	---	217.306A	217.451	217.625	217.797	217.765	217.567	217.440	---	---	21
22	---	---	---	217.309	217.448	217.540	217.717	217.821	217.529	217.442	---	---	22
23	---	---	---	217.332	217.411	217.561	217.720	217.749	217.666	217.347	---	---	23
24	---	---	---	217.315	217.433	217.780	217.795	217.825	217.545	217.445	---	---	24
25	---	---	---	217.316	217.435	217.616	217.833	217.834	217.376	217.381	---	---	25
26	---	---	---	217.308	217.434	217.610	217.763	217.914	217.608	217.355	---	---	26
27	---	---	---	217.298	217.496	217.649	217.771	217.881	217.472	217.355	---	---	27
28	---	---	---	217.310	217.590	217.687	217.746	217.570	217.266	217.452	---	---	28
29	---		---	217.299	217.567	217.621	217.846	217.776	217.462	217.587	---	---	29
30	---		---	217.315	217.497	217.609	217.765	217.729	217.665	217.512	---	---	30
31	---		---		217.584		217.805	217.628		217.438		---	31
MEAN	---	---	---	---	217.426	217.588	217.723	217.748	217.616	217.494	---	---	MEAN
MAX	---	---	---	---	217.590	217.780	217.846	218.005	217.793	217.692	---	---	MAX
MIN	---	---	---	---	217.331	217.402	217.525	217.519	217.266	217.344	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 218.005 ON AUG 8

MAXIMUM INSTANTANEOUS,
218.125 AT 06:42 CST ON AUG 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 44 00 N
LONG 96 54 00 W

A - MANUAL GAUGE

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEG AT MISSION POINT - STATION NO. 05BG001

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	217.234	217.242	217.278	217.380	---	217.723	217.915	217.754	217.599	217.564	217.458	1
2	---	217.228	217.246	217.250	217.394	---	217.751	217.988	217.720	217.569	217.459	217.469	2
3	---	217.243	217.259	217.263	217.395	217.600A	217.743	217.886	217.809	217.567	217.443	217.412	3
4	---	217.241	217.252	217.293	217.398	217.576	217.762	217.853	217.672	217.646	217.530	217.458	4
5	---	217.254	217.263	217.290	217.421	217.656	217.733	217.885	217.737	217.586	217.586	217.445	5
6	---	217.253	217.256	217.306	217.401	217.641	217.704	217.868	217.816	217.629	217.635	217.438	6
7	217.213A	217.240	217.262	217.303	217.384	217.370	217.636	217.773	217.799	217.609	217.500	217.446	7
8	217.210	217.238	217.252	217.314	217.423	217.557	217.724	217.599	217.731	217.636	217.504	217.457	8
9	217.200	217.246	217.278	217.300	217.423	217.613	217.755	217.748	217.733	217.560	217.552	217.473	9
10	217.186	217.256	217.250	217.305	217.425	217.579	217.749	217.867	217.751	217.662	217.543	217.412	10
11	217.189	217.244	217.282	217.336	217.423A	217.571	217.736	217.935	217.615	217.519	217.354	217.458	11
12	217.211	217.251	217.263	217.314	---	217.609	217.690	218.003	217.704	217.634	217.323	217.468	12
13	217.216	217.254	217.239	217.332	---	217.623	217.716	217.866	217.628	217.687	217.438	217.436	13
14	217.228	217.256	217.289	217.357	---	217.604	217.758	217.922	217.670	217.618	217.457	217.451	14
15	217.197	217.251	217.278	217.313	---	217.647	217.766	217.790	217.694	217.469	217.502	217.452	15
16	217.213	217.265	217.261	217.319	---	217.634	217.767	217.844	217.701	217.688	217.454	217.479	16
17	217.221	217.266	217.244	217.334	---	217.599	217.828	217.867	217.681	217.833	217.572	217.460	17
18	217.229	217.257	217.271	217.334	---	217.633	217.847	217.863	217.523	217.604	217.629	217.425	18
19	217.216	217.273	217.299	217.340	---	217.635	217.934	217.771	217.554	217.627	217.634	217.424	19
20	217.230	217.263	217.298	217.349	---	217.572	217.824	217.828	217.675	217.602	217.224	217.429	20
21	217.240	217.279	217.297	217.361	---	217.610	217.835	217.854	217.697	217.668	217.069	217.423	21
22	217.223	217.242	217.305	217.372	---	217.683	217.909	217.777	217.725	217.692	217.381	217.407	22
23	217.211	217.251	217.293	217.344	---	217.661	217.921	217.798	217.563	217.736	217.408	217.426	23
24	217.229	217.238	217.281	217.346	---	217.676	217.817	217.734	217.611	217.638	217.424	217.421	24
25	217.239	217.254	217.286	217.355	---	217.658	217.817	217.670	217.735	217.696	217.452	217.440	25
26	217.264	217.241	217.284	217.374	---	217.666	217.873	217.557	217.545	217.698	217.461	217.428	26
27	217.239	217.250	217.313	217.385	---	217.635	217.870	217.618	217.613	217.693	217.481	217.399	27
28	217.238	217.254	217.302	217.403	---	217.529	217.875	217.866	217.874	217.582	217.458	217.107	28
29	217.231		217.298	217.414	---	217.656	217.821	217.698	217.721	217.456	217.458	217.409	29
30	217.236		217.296	217.388	---	217.693	217.864	217.740	217.493	217.450	217.465	217.418	30
31	217.261		217.276		---		217.859	217.862		217.561		217.420	31
MEAN	---	217.251	217.275	217.332	---	---	217.794	217.814	217.683	217.613	217.465	217.436	MEAN
MAX	---	217.279	217.313	217.414	---	---	217.934	218.003	217.874	217.833	217.635	217.479	MAX
MIN	---	217.228	217.239	217.250	---	---	217.636	217.557	217.493	217.450	217.069	217.399	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1982

MAXIMUM DAILY, 218.003 ON AUG 12
MINIMUM DAILY, 217.069 ON NOV 21
MAXIMUM INSTANTANEOUS,
218.101 AT 06:03 CST ON JUL 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 11 00 N
LONG 99 13 30 W

A - MANUAL GAUGE

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEG AT MONTREAL POINT - STATION NO. 05RF001

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	217.469	217.673	217.775	217.676	217.647	217.497	217.392	1
2	---	---	---	---	---	217.557	217.681	217.768	217.641	217.597	217.410	217.378	2
3	---	---	---	---	---	217.626	217.688	217.783	217.732	217.537	217.373	217.386	3
4	---	---	---	---	---	217.587	217.732	217.784	217.595	217.451	217.418	217.381	4
5	---	---	---	---	---	217.677	217.689	217.802	217.652	217.543	217.491	217.404	5
6	---	---	---	---	---	217.642	217.624	217.777	217.776	217.552	217.558	217.412	6
7	---	---	---	217.250A	---	217.389	217.677	217.740	217.762	217.539	217.409	217.412	7
8	---	---	---	---	---	217.563	217.699	217.475	217.694	217.588	217.436	217.409	8
9	---	---	---	---	---	217.612	217.730	217.660	217.669	217.491	217.646	217.425	9
10	---	---	---	---	---	217.573	217.724	217.786	217.683	217.335	217.638	217.384	10
11	---	---	---	---	---	217.576	217.715	217.876	217.697	217.451	217.286	217.418	11
12	---	---	---	---	---	217.595	217.660	217.960	217.702	217.575	217.274	217.408	12
13	---	---	---	---	---	217.608	217.694	217.813	217.545	217.594	217.429	217.380	13
14	---	---	---	---	---	217.581	217.735	217.820	217.683	217.499	217.449	217.401	14
15	217.177A	---	---	---	---	217.636	217.740	217.785	217.771	217.367	217.460	217.406	15
16	---	---	---	---	---	217.578	217.716	217.749	217.646	217.515	217.389	217.419	16
17	---	---	---	---	---	217.595	217.657	217.773	217.602	217.600	217.414	217.420	17
18	---	---	---	---	---	217.629	217.748	217.812	217.487	217.429	217.575	217.411	18
19	---	---	---	---	---	217.638	217.865	217.704	217.494	217.536	217.310	217.404	19
20	---	---	---	---	217.443A	217.576	217.793	217.744	217.651	217.572	217.217	217.396	20
21	---	---	---	---	217.480	217.612	217.743	217.758	217.679	217.612	217.201	217.398	21
22	---	---	---	---	217.485	217.670	217.794	217.686	217.668	217.538	217.361	217.377	22
23	---	---	---	---	217.517	217.658	217.820	217.757	217.475	217.642	217.364	217.400	23
24	---	---	---	---	217.508	217.508	217.775	217.667	217.646	217.548	217.394	217.393	24
25	---	---	---	---	217.520	217.664	217.727	217.659	217.849	217.567	217.404	217.409	25
26	---	---	---	---	217.531	217.687	217.782	217.589	217.506	217.582	217.408	217.393	26
27	---	---	---	---	217.452	217.637	217.776	217.586	217.490	217.567	217.408	217.380	27
28	---	---	---	---	217.400	217.598	217.803	217.776	217.544	217.473	217.392	217.394	28
29	---		---	---	217.406	217.654	217.725	217.666	217.699	217.433	217.392	217.396	29
30	---		---	---	217.494	217.670	217.820	217.651	217.511	217.543	217.393	217.405	30
31	---		---		217.467		217.720	217.731		217.571		217.393	31
MEAN	---	---	---	---	---	217.602	217.733	217.739	217.640	217.532	217.413	217.400	MEAN
MAX	---	---	---	---	---	217.687	217.865	217.960	217.849	217.647	217.646	217.425	MAX
MIN	---	---	---	---	---	217.389	217.624	217.475	217.475	217.335	217.201	217.377	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1982

MAXIMUM DAILY, 217.960 ON AUG 12

MAXIMUM INSTANTANEOUS,
218.039 AT 15:31 CST ON AUG 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 37 30 N
LONG 97 50 40 W

A - MANUAL GAUGE

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEG AT PINE DOCK - STATION NO. 05ED001

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.114	217.149	217.164	217.196	---	---	217.575	217.689	217.718	217.512	217.459	217.367	1
2	217.136	217.145	217.161	217.240	---	---	217.530	217.590	217.706	217.550	217.537	217.387	2
3	217.127	217.145	217.146	217.239	---	---	217.573	217.672	217.647	217.580	217.555	217.411	3
4	217.119	217.151	217.153	217.205	---	---	217.549	217.748	217.721	217.557	217.484	217.381	4
5	217.132	217.140	217.142	217.209	---	---	217.637	217.711	217.674E	217.575	217.413	217.395	5
6	217.136	217.134	217.161	217.202	---	---	217.693	217.743	217.622E	217.505	217.329	217.380	6
7	217.132	217.153	217.160	217.199	---	---	217.755	217.790	217.567	217.540	217.451	217.376	7
8	217.126	217.150	217.161	217.189	---	---	217.695	217.883	217.602	217.513	217.441	217.371	8
9	217.120	217.163	217.139	217.210	---	---	217.683	217.837	217.633	217.566	217.318	217.354	9
10	217.116	217.153	217.168	217.225	---	217.544A	217.660	217.719	217.632	217.683	217.296	217.399	10
11	217.112	217.160	217.144	217.196	---	217.584	217.667	217.608	217.661	217.611	217.506	217.369	11
12	217.111	217.147	217.164	217.225	---	217.566	217.736	217.502	217.619	217.520	217.559	217.369	12
13	217.132	217.146	217.200	217.210	---	217.550	217.691	217.624	217.718	217.514	217.419	---	13
14	217.111	217.144	217.162	217.196	---	217.589	217.640	217.607	217.663	217.579	217.421	---	14
15	217.143	217.150	217.170	217.230	---	217.535	217.645	217.711	217.580	217.732	217.366	---	15
16	217.159E	217.143	217.186	217.241	---	217.568	217.691	217.730	217.584	217.515	217.417	---	16
17	217.156A	217.141	217.205	217.239	---	217.602	217.751	217.693	217.628	217.350	217.330	---	17
18	217.132	217.141	217.187	217.243	---	217.571	217.778	217.678	217.678	217.564	217.201	---	18
19	217.149	217.134	217.173	217.254	---	217.571	217.639	217.800	217.726	217.521	217.358	---	19
20	217.159A	217.150	217.173	217.250	---	217.646	217.735	217.739	217.556	217.542	217.612	---	20
21	217.164A	217.128	217.175	217.246A	---	217.612	217.779	217.721	217.525	217.460	217.802	---	21
22	217.144	217.154	217.162	217.239A	---	217.527	217.691	217.791	217.489	217.461	217.504	---	22
23	217.165	217.147	217.171	217.264A	---	217.525	217.675	217.726	217.645	217.373	217.415	---	23
24	217.149	217.160	217.198	217.263A	---	217.778	217.760	217.786	217.555	217.460	217.383	---	24
25	217.142	217.151	217.181	---	---	217.608	217.808	217.818	217.381	217.408	217.370	---	25
26	217.119	217.159	217.185	---	---	217.579	217.734	217.925	217.554	217.384	217.361	---	26
27	217.136	217.147	217.153	---	---	217.640	217.744	217.800	217.511	217.376	217.352	---	27
28	217.140	217.156	217.158	---	---	217.673	217.732	217.548	217.311	217.482	217.373	---	28
29	217.157		217.168	---	---	217.625	217.821	217.776	217.439	217.612	217.373	---	29
30	217.153		217.182	---	---	217.604	217.730	217.623	217.660	217.578	217.367	---	30
31	217.127		217.203		---		217.774	217.656		217.466		---	31
MEAN	217.136	217.148	217.170	---	---	---	217.696	217.718	217.600	217.519	217.426	---	MEAN
MAX	217.165	217.163	217.205	---	---	---	217.821	217.925	217.726	217.732	217.802	---	MAX
MIN	217.111	217.128	217.139	---	---	---	217.530	217.502	217.311	217.350	217.201	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 38 30 N
LONG 96 47 45 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1975

MINIMUM DAILY, 217.111 ON JAN 12
MAXIMUM INSTANTANEOUS,
217.997 AT 23:10 CST ON NOV 20

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEG AT VICTORIA BEACH - STATION NO. 05SA003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.155	217.210	217.240	217.272	217.376	217.870	217.625	217.809	217.781	217.688	217.474	217.425	1
2	217.184	217.222	217.258	217.348	217.365	217.590	217.559	217.643	217.868	217.580	217.678	217.465	2
3	217.230	217.202	217.223	217.359	217.349	217.428	217.618	217.747	217.748	217.687	217.749	217.471	3
4	217.230	217.216	217.236	217.286	217.388	217.491	217.544	217.841	217.748	217.540	217.684	2.7.438	4
5	217.207	217.211	217.212	217.290	217.340	217.364	217.654	217.780	217.861	217.764	217.489	217.463	5
6	217.209	217.192	217.235	217.278	217.381	217.386	217.692	217.817	217.606	217.627	217.312	217.442	6
7	217.211	217.224	217.235	217.271	217.474	217.908	217.940	217.836	217.502	217.651	217.522	217.428	7
8	217.214	217.217	217.252	217.261	217.493	217.801	217.760	218.302	217.642	217.553	217.559	217.431	8
9	217.216	217.225	217.211	217.268	217.458	217.559	217.703	218.176	217.657	217.656	217.324	217.369	9
10	217.218	217.191	217.238	217.316	217.466	217.705	217.699	217.838	217.701	217.891	217.282	217.477	10
11	217.219	217.236	217.239	217.267	217.491	217.694	217.748	217.630	217.708	217.910	217.513	217.416	11
12	217.221	217.217	217.217	217.307	217.402	217.666	217.803	217.367	217.652	217.626	217.927	217.418	12
13	217.233	217.217	217.282	217.304	217.436	217.625	217.838	217.547	217.811	217.550	217.493	217.474	13
14	217.220	217.217	217.245	217.281	217.465	217.690	217.712	217.616	217.838	217.664	217.441	217.446	14
15	217.226	217.227	217.259	217.311	217.519	217.662	217.676	217.707	217.615	217.919	217.322	217.424	15
16	217.237	217.229	217.269	217.329	217.464	217.607	217.761	217.817	217.507	217.704	217.469	217.401	16
17	217.237	217.213	217.317	217.318	217.480	217.764	217.697	217.764	217.806	217.306	217.454	217.391	17
18	217.218	217.221	217.290	217.332	217.523	217.637	217.930	217.665	217.664	217.705	217.108	217.439	18
19	217.229	217.210	217.259	217.349	217.545	217.576	217.627	217.948	218.016	217.633	217.385	217.432	19
20	217.198	217.228	217.270	217.329	217.470	217.777	217.693	217.875	217.693	217.665	217.640	217.432	20
21	217.221	217.216	217.245	217.329	217.480	217.726	217.934	217.771	217.517	217.444	218.041	217.418	21
22	217.228	217.225	217.249	217.300	217.469	217.602	217.758	217.915	217.470	217.479	217.706	217.464	22
23	217.263	217.246	217.225	217.347	217.414	217.511	217.638	217.838	217.748	217.335	217.505	217.436	23
24	217.227	217.244	217.287	217.343	217.429	217.985	217.850	217.872	217.754	217.465	217.425	217.440	24
25	217.211	217.230	217.260	217.381	217.429	217.731	217.921	217.931	217.339	217.459	217.441	217.404	25
26	217.197	217.254	217.275	217.338	217.400	217.552	217.831	217.966	217.421	217.398	217.418	217.414	26
27	217.185	217.238	217.236	217.332	217.510	217.754	217.832	218.114	217.693	217.353	217.399	217.449	27
28	217.212	217.239	217.212	217.331	217.653	217.765	217.785	217.737	217.430	217.551	217.440	217.425	28
29	217.214		217.264	217.315	217.707	217.772	217.941	217.631	217.226	217.674	217.433	217.410	29
30	217.232		217.279	217.337	217.522	217.565	217.816	217.874	217.646	217.707	217.426	217.385	30
31	217.185		217.303		217.653		217.820	217.595		217.479		217.401	31
MEAN	217.216	217.222	217.252	217.314	217.469	217.662	217.755	217.805	217.656	217.602	217.502	217.430	MEAN
MAX	217.263	217.254	217.317	217.381	217.707	217.985	217.941	218.302	218.016	217.919	218.041	217.477	MAX
MIN	217.155	217.191	217.211	217.261	217.340	217.364	217.544	217.367	217.226	217.306	217.108	217.369	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 217.492
MAXIMUM DAILY, 218.302 ON AUG 8
MINIMUM DAILY, 217.108 ON NOV 18
MAXIMUM INSTANTANEOUS,
218.442 AT 21:50 CST ON AUG 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 30 N
LONG 96 34 10 W

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEGOSIS AT DAWSON BAY - STATION NO. 05LD002

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	252.588	252.600	252.589	252.614	252.664	252.716	252.770	252.844	252.619	252.671	252.627	252.628	1
2	252.587	252.596	252.595	252.597	252.671	252.745	252.851	252.881	252.580	252.644	252.688	252.630	2
3	252.584	252.598	252.602	252.612	252.673	252.762	252.835	252.757	252.684	252.656	252.648	252.638	3
4	252.590	252.595	252.597	252.621	252.673	252.758	252.741	252.718	252.548	252.678	252.585	252.637	4
5	252.581	252.600	252.603	252.623	252.684	252.796	252.746	252.773	252.642	252.647	252.723	252.650	5
6	252.585	252.601	252.595	252.628	252.668	252.726	252.734	252.745	252.731	252.687	252.706	252.638	6
7	252.581	252.591	252.599	252.630	252.655	252.691	252.608	252.550	252.684	252.653	252.586	252.643A	7
8	252.581	252.588	252.597	252.638	252.673	252.734	252.666	252.480	252.646	252.676	252.641	---	8
9	252.566	252.597	252.611	252.619	252.673	252.734	252.713	252.697	252.626	252.601	252.692	---	9
10	252.570	252.596	252.596	252.631	252.654	252.728	252.711	252.747	252.663	252.516	252.680	---	10
11	252.580	252.593	252.616	252.635	252.683	252.660	252.695	252.855	252.505	252.580	252.507	---	11
12	252.599	252.594	252.601	252.621	252.697	252.712	252.676	252.841	252.614	252.657	252.457	---	12
13	252.590	252.594	252.596	252.640	252.688	252.734	252.737	252.710	252.524	252.668	252.589	---	13
14	252.602	252.594	252.613	252.642	252.671	252.722	252.772	252.778	252.602	252.634	252.631	---	14
15	252.583	252.594	252.611	252.633	252.671	252.737	252.714	252.645	252.657	252.587	252.629	---	15
16	252.593	252.602	252.605	252.635	252.701	252.730	252.670	252.705	252.603	252.761	252.623	252.679A	16
17	252.601	252.595	252.604	252.641	252.672	252.677	252.678	252.751	252.617	252.815	252.630	252.642	17
18	252.601	252.598	252.608	252.642	252.673	252.681	252.725	252.682	252.529	252.587	252.628	252.655	18
19	252.594	252.604	252.616	252.645	252.678	252.692	252.819	252.622	252.506	252.611	252.615	252.656	19
20	252.594	252.598	252.616	252.647	252.710	252.665	252.659	252.659	252.627	252.619	252.592	252.663	20
21	252.596	252.599	252.612	252.662	252.697	252.728	252.710	252.670	252.656	252.686	252.610	252.655	21
22	252.591	252.579	252.616	252.664	252.707	252.804	252.849	252.637	252.647	252.705	252.626	252.652	22
23	252.587	252.591	252.607	252.652	252.744	252.728	252.775	252.626	252.552	252.737	252.623	252.660	23
24	252.598	252.586	252.606	252.660	252.702	252.578	252.660	252.591	252.658	252.663	252.625	252.662	24
25	252.605	252.590	252.614	252.662	252.731	252.709	252.691	252.550	252.734	252.712	252.617	---	25
26	252.619	252.589	252.610	252.658	252.728	252.671	252.758	252.479	252.561	252.705	252.620	---	26
27	252.599	252.594	252.627	252.672	252.698	252.652	252.736	252.541	252.675	252.686	252.630	---	27
28	252.601	252.592	252.618	252.674	252.618	252.685	252.740	252.766	252.842	252.559	252.626	---	28
29	252.594		252.618	252.679	252.650	252.688	252.670	252.560	252.625	252.510	252.625	---	29
30	252.603		252.620	252.664	252.708	252.699	252.746	252.632	252.518	252.476	252.630	---	30
31	252.612		252.607		252.621		252.732	252.708		252.624		---	31
MEAN	252.592	252.595	252.607	252.641	252.682	252.705	252.729	252.684	252.623	252.644	252.610	---	MEAN
MAX	252.619	252.604	252.627	252.679	252.744	252.804	252.851	252.881	252.842	252.815	252.723	---	MAX
MIN	252.566	252.579	252.589	252.597	252.618	252.491	252.608	252.479	252.505	252.476	252.448	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1982

MAXIMUM DAILY, 252.881 ON AUG 2
MINIMUM DAILY, 252.448 ON NOV 3
MAXIMUM INSTANTANEOUS,
252.966 AT 15:47 CST ON JUL 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 58 30 N
LONG 100 58 30 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEGOSIS AT WINNIPEGOSIS - STATION NO. 05LH001

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	252.800	252.818	252.844	252.872	252.899	252.998	252.753	252.861	252.867	252.767	252.880	252.842	1
2	252.816	252.817	252.844	252.892	252.890	252.910	252.810	252.885	252.922	252.806	253.078	252.863	2
3	252.804	252.813	252.842	252.873	252.902	252.811	252.790	252.892	252.780	252.861	253.139	252.863	3
4	252.803	252.816	252.844	252.859	252.899	252.878	252.841	252.932	253.014	252.949	252.947	252.871	4
5	252.803	252.814	252.834	252.856	252.878	252.828	252.898	252.855	252.864	252.906	252.719	252.862	5
6	252.792	252.812	252.846	252.856	252.912	252.916	252.985	252.933	252.707	252.859	252.738	252.869	6
7	252.802	252.820	252.851	252.852	252.950	253.321	253.004	253.037	252.757	252.895	252.988	252.859A	7
8	252.788	252.820	252.848	252.840	252.932	252.929	252.916	253.413	252.808	252.836	252.826	252.857A	8
9	252.804	252.815	252.840	252.864	252.938	252.860	252.891	253.028	252.864	253.061	252.700	252.902A	9
10	252.806	252.820	252.852	252.856	252.979	252.927	252.881	252.887	252.808	253.297	252.725	252.875A	10
11	252.800	252.828	252.830	252.858	252.911	253.023	252.904	252.700	252.880	253.053	253.139	252.877A	11
12	252.794	252.828	252.844	252.868	252.882	252.905	252.981	252.672	252.861	252.846	253.098	252.867A	12
13	252.808	252.827	252.849	252.861	252.903	252.910	252.899	252.864	253.058	252.828	252.889	252.877A	13
14	252.795	252.832	252.840	252.867	252.947	252.949	252.885	252.793	252.881	252.885	252.826	252.867A	14
15	252.799	252.833	252.848	252.899	252.998	252.873	252.884	252.912	252.722	253.031	252.827	252.865A	15
16	252.790	252.836	252.859	252.901	252.950	252.980	253.031	252.923	252.842	252.811	252.835	252.868A	16
17	252.798	252.838	252.863	252.884	252.966	252.959	253.183	252.855	252.836	252.761	252.836	252.867A	17
18	252.804	252.835	252.848	252.889	252.991	252.896	252.957	252.898	252.930	253.068	252.834	252.872	18
19	252.807	252.833	252.843	252.883	252.986	252.939	252.817	252.979	253.040	252.901	252.855	252.874	19
20	252.806	252.837	252.842	252.877	252.894	253.008	253.041	252.940	252.792	252.853	252.861	252.869	20
21	252.806	252.830	252.849	252.870	252.915	252.913	253.016	252.910	252.746	252.777	252.839	252.882	21
22	252.810	252.844	252.841	252.872	252.894	252.768	252.837	252.969	252.769	252.818	252.832	252.887	22
23	252.815	252.831	252.851	252.891	252.848	252.905	252.872	252.883	253.010	252.721	252.841	252.884	23
24	252.808	252.841	252.856	252.897	252.892	253.151	252.988	252.973	252.764	252.838	252.837	252.878	24
25	252.805	252.838	252.850	252.892	252.847	252.880	253.007	252.998	252.553	252.784	252.837	252.877	25
26	252.804	252.839	252.853	252.888	252.841	252.895	252.938	253.020	252.949	252.803	252.837	252.898	26
27	252.814	252.835	252.840	252.874	253.009	252.970	252.956	252.975	252.926	252.825	252.835	252.889	27
28	252.805	252.845	252.842	252.880	253.161	252.990	252.930	252.674	252.864	253.028	252.843	252.884	28
29	252.826		252.860	252.865	253.157	252.903	253.052	252.919	252.865	252.984	252.843	252.880	29
30	252.812		252.860	252.889	253.084	252.859	252.868	252.860	252.977	252.887	252.842	252.881	30
31	252.811		252.862		253.183		253.018	252.772		252.816		252.881	31
MEAN	252.804	252.828	252.848	252.874	252.950	252.935	252.928	252.910	252.855	252.889	252.870	252.872	MEAN
MAX	252.826	252.845	252.863	252.901	253.183	253.321	253.183	253.413	253.058	253.297	253.139	252.894	MAX
MIN	252.788	252.812	252.830	252.840	252.841	252.768	252.753	252.672	252.553	252.721	252.700	252.842	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1982

MEAN, 252.881
MAXIMUM DAILY, 253.413 ON AUG 8
MINIMUM DAILY, 252.553 ON SEP 25
MAXIMUM INSTANTANEOUS,
253.555 AT 18:56 CST ON JUL 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 38 45 N
LONG 99 55 07 W

A - MANUAL GAUGE

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAURIE RIVER BELOW LAURIE RIVER HYDRO PLANT - STATION NO. 06ED005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	18.0	16.9	11.8	22.3	25.3	38.6	38.4	21.9	17.1	28.5	18.1	21.1	1
2	17.9	15.5	11.7	22.0	32.6	38.8	38.0	21.3	17.3	23.0	18.0	20.8	2
3	18.2	15.3	11.6	21.8	36.2	39.5	39.1	21.2	18.1	18.1	18.1	20.6	3
4	18.2	15.2	12.1	22.0	35.1	39.3	39.0	21.4	18.7	16.6	17.8	20.6	4
5	18.2	15.4	12.5	22.1	34.4	39.1	39.1	17.8	18.9	15.9	17.9	20.8	5
6	17.9	15.2	12.4	22.0	35.6	39.9	38.9	14.3	19.0	15.2	15.4	20.7	6
7	17.9	15.0	12.5	21.2	37.0	40.2	39.3	16.4	19.2	15.1	15.3	20.3	7
8	17.8	15.3	12.5	20.1	38.6	39.9	38.8	16.8	18.9	14.9	26.4	19.1	8
9	18.1	15.7	12.5	19.8	38.9	39.3	37.6	16.9	18.8	14.8	28.7	19.6	9
10	17.9	15.8	12.3	19.7	38.9	40.9	37.1	18.0	17.6	14.6	26.4	20.3	10
11	18.1	15.7	12.4	19.3	38.4	40.2	36.7	23.3	19.1	14.8	26.3	20.6	11
12	18.8	15.5	13.9	19.5	38.3	40.4	36.6	24.5	27.3	15.8	25.9	20.5	12
13	19.2	15.6	14.7	20.5	38.0	40.9	32.6	24.6	29.4	14.7	26.5	20.7	13
14	19.1	15.8	14.0	21.2	37.9	40.5	32.8	24.9	25.6	14.1	26.4	20.6	14
15	18.0	15.7	13.0	20.4	36.7	42.0	35.9	24.4	29.2	14.3	24.0	20.1	15
16	17.4	15.8	16.6	19.9	35.8	45.1	36.4	13.8	29.6	14.2	22.9	20.4	16
17	17.2	14.2	17.6	19.5	34.8	46.7	36.5	16.3	30.4	14.3	22.7	20.4	17
18	16.9	13.5	17.8	18.8	34.6	45.2	36.8	25.4	30.7	14.3	22.3	20.5	18
19	17.2	13.6	17.6	18.1	34.6	44.6	36.3	36.3	29.7	14.2	22.4	20.8	19
20	17.0	13.7	21.3	18.1	37.3	44.4	36.2	61.9	27.5	13.9	22.0	20.9	20
21	17.0	13.8	22.7	18.1	37.7	43.5	36.1	71.1	26.7	12.6	21.8	21.0	21
22	17.1	10.1	22.7	17.5	36.8	34.0	33.3	67.4	27.1	16.5	21.5	20.8	22
23	16.8	10.8	22.9	17.3	35.6	40.6	25.2	64.1	27.2	18.1	21.1	20.7	23
24	17.1	12.5	22.4	17.8	34.7	34.0	31.9	62.7	27.3	18.4	21.4	21.0	24
25	16.9	12.5	22.1	18.0	35.0	38.7	33.1	65.0	26.9	18.8	21.6	21.2	25
26	16.9	12.4	22.0	17.3	35.6	39.8	33.9	68.4	27.3	18.5	21.4	21.7	26
27	17.3	12.4	22.0	17.8	35.7	40.3	29.3	68.2	27.4	18.7	21.2	23.4	27
28	18.0	11.9	21.4	17.7	35.2	39.4	25.7	52.6	27.4	18.7	21.1	25.4	28
29	17.9		21.4	18.3	34.7	38.1	34.1	21.8	28.7	18.9	20.9	25.9	29
30	18.1		21.9	19.6	34.6	34.4	31.1	14.7	28.7	18.3	21.2	26.1	30
31	17.9		22.1		36.6		22.3	15.6		18.1		26.1	31
TOTAL	550.0	400.8	526.4	588.3	1 111.2	1 208.4	1 076.9	1 033.0	736.8	516.9	656.7	662.7	TOTAL
MEAN	17.7	14.3	16.9	19.6	35.8	40.3	34.7	33.3	24.6	16.7	21.9	21.4	MEAN
MAX	19.2	16.9	22.9	22.3	38.9	46.7	39.3	71.1	30.7	28.5	28.7	26.1	MAX
MIN	16.8	10.1	11.6	17.3	25.3	34.0	22.3	13.8	17.1	12.6	15.3	19.1	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 24.8
MAXIMUM DAILY, 71.1 ON AUG 21
MINIMUM DAILY, 10.1 ON FEB 22
MAXIMUM INSTANTANEOUS,
74.9 AT 16:40 CST ON AUG 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 13 43 N
LONG 101 00 12 W
DRAINAGE AREA, 3 830 km²

REGULATED SINCE 1951

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	47 500	JUL	93 000
FEB	34 600	AUG	89 300
MAR	45 300	SEP	63 700
APR	50 800	OCT	44 700
MAY	96 000	NOV	56 700
JUN	104 000	DEC	57 300

TOTAL DISCHARGE, 783 000 dam³

LIMESTONE RIVER NEAR BIRD - STATION NO. 05UG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.80B	2.30B	1.88B	1.65B	12.6B	64.3E	45.2E	11.4 E	12.9	15.3	17.1	5.69B	1
2	2.80B	2.30B	1.85B	1.65B	71.0B	61.9E	43.3E	10.8 E	14.3	18.6	14.9	5.65B	2
3	2.77B	2.27B	1.85B	1.62B	356 B	58.2E	40.6E	10.5 E	14.7	21.6	10.4	5.61B	3
4	2.77B	2.27B	1.83B	1.62B	353 B	52.6E	38.7E	10.3 E	16.1	23.9	9.80B	5.57B	4
5	2.74B	2.24B	1.80B	1.60B	327 B	48.9E	37.0E	9.68E	17.0	24.8	9.21B	5.52B	5
6	2.74B	2.24B	1.77B	1.60B	304 B	51.7E	35.3E	9.16E	17.1	25.3	8.64B	5.48B	6
7	2.71B	2.21B	1.77B	1.57B	282	61.0E	33.6E	8.64E	17.5	25.5	8.22B	5.40B	7
8	2.71B	2.18B	1.77B	1.57B	220	77.1E	32.0E	8.12E	16.9	24.1	7.82B	5.40B	8
9	2.68B	2.16B	1.77B	1.54B	202	90.4E	30.3E	8.12E	16.7	23.6	7.58B	5.36B	9
10	2.64B	2.13B	1.75B	1.54B	187	102 E	29.0E	8.12E	17.0	24.0	7.29B	5.32B	10
11	2.61B	2.13B	1.75B	1.54B	166	102 E	27.8E	8.12E	16.3	23.9	7.05B	5.29B	11
12	2.58B	2.11B	1.75B	1.54B	143	99.6E	27.1E	8.12E	16.3	23.9	6.86B	5.25B	12
13	2.55B	2.11B	1.75B	1.54B	123	94.5E	25.6E	8.12E	16.8	23.9	6.67B	5.21B	13
14	2.52B	2.08B	1.75B	1.54B	108	89.3E	24.9E	8.12E	16.5	22.7	6.49B	5.17B	14
15	2.49B	2.08B	1.75B	1.54B	94.6	84.2E	23.7E	8.38E	16.7	21.7	6.37B	5.14B	15
16	2.49B	2.06B	1.72B	1.54B	84.5	80.2E	23.0E	8.64E	16.3	21.1	6.33B	5.10B	16
17	2.46B	2.06B	1.72B	1.54B	74.2A	73.0E	22.3E	9.42E	15.5	19.4	6.29B	5.06B	17
18	2.46B	2.06B	1.72B	1.54B	68.9E	66.9E	21.5E	9.97E	14.8	18.1	6.25B	5.02B	18
19	2.43B	2.03B	1.72B	1.54B	62.9E	61.5E	20.5E	10.3 E	14.6	17.5	6.21B	4.98B	19
20	2.40B	2.03B	1.70B	1.54B	59.2E	59.2E	20.1E	10.5 E	14.4	15.9	6.13B	4.95B	20
21	2.40B	2.00B	1.70B	1.54B	54.5E	58.7E	19.0E	11.1 E	14.3	14.1	6.09B	4.91B	21
22	2.36B	1.98B	1.70B	1.54B	51.7E	59.6E	18.4E	11.4 E	15.0	14.7	6.05B	4.87B	22
23	2.36B	1.95B	1.70B	1.54B	48.9E	59.6E	17.1E	11.4 E	13.9	15.2	6.01B	4.83B	23
24	2.33B	1.93B	1.70B	1.54B	48.0E	59.6E	16.4E	10.7 A	14.1	15.2	5.97B	4.80B	24
25	2.33B	1.93B	1.70B	1.54B	49.9E	59.2E	15.0E	11.1	13.6	14.3	5.93B	4.76B	25
26	2.33B	1.93B	1.67B	1.62B	51.7E	57.3E	14.8E	10.2	13.4	15.0	5.89B	4.72B	26
27	2.33B	1.88B	1.67B	1.80B	53.4E	55.0E	13.8E	11.4	12.8	15.2	5.85B	4.68B	27
28	2.33B	1.88B	1.67B	2.06B	55.4E	51.7E	13.5E	11.5	12.7	16.1	5.81B	4.64B	28
29	2.33B		1.67B	2.64B	57.3E	48.9E	13.2E	12.0	12.9	17.[illegible]	5.77B	4.61B	29
30	2.33B		1.67B	3.28B	61.0E	47.1E	12.6E	12.1	14.0	[illegible]	5.73B	4.57B	30
31	2.33B		1.67B		63.0E		12.0E	12.5		[illegible]		4.53B	31
TOTAL	78.11	58.53	53.89	50.46	3 854.5	2 035.2	768.1	309.93	455.1	[illegible]	224.71	158.13	TOTAL
MEAN	2.52	2.09	1.74	1.68	124	67.8	24.8	10.0	15.2	19.6	7.49	5.10	MEAN
MAX	2.80	2.30	1.88	3.28	356	102	45.2	12.5	17.[illegible]	25.5	17.1	5.69	MAX
MIN	2.33	1.88	1.67	1.54	12.6	47.1	12.0	8.12	12	14.1	5.73	4.53	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 23.7
MAXIMUM DAILY, 356B ON MAY 3
MINIMUM DAILY, 1.54B ON APR 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 31 10 N
LONG 94 12 20 W
DRAINAGE AREA, 3 160 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 750	JUL	66 400
FEB	5 060	AUG	26 800
MAR	4 660	SEP	39 300
APR	4 360	OCT	52 600
MAY	333 000	NOV	19 400
JUN	176 000	DEC	13 700

TOTAL DISCHARGE, 748 000 dam³

LITTLE BEAVER RIVER NEAR THE MOUTH - STATION NO. 06FB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.91 B	0.790B	0.498B	0.390B	48.4	153	94.6	27.4E	28.6	30.2	15.9 B	0.760	1
2	2.85 B	0.762B	0.483B	0.386B	53.0	148	87.5	26.4E	29.2	30.6	15.2 B	0.679	2
3	2.79 B	0.740B	0.476B	0.383B	64.2	138	79.5	25.3E	28.6	31.1	14.7 B	0.559	3
4	2.71 B	0.707B	0.472B	0.379B	72.3	131	72.2	23.6E	26.5	31.2	14.2 B	0.439	4
5	2.65 B	0.688B	0.468B	0.375B	93.2	124	78.0A	22.8E	32.2	30.3	13.8 B	0.329	5
6	2.60 B	0.665B	0.464B	0.372B	119	123	68.1E	21.9E	35.9	29.0	13.5 B	0.229	6
7	2.56 B	0.654B	0.461B	0.368B	120	134	59.5E	21.2E	37.1	28.7	13.1 B	0.119	7
8	2.39 B	0.643B	0.457B	0.364B	109	138	54.3E	20.6E	37.5	28.4	12.8 B	7.990	8
9	2.34 B	0.624B	0.453B	0.364B	110	135	51.5E	20.4E	37.3	28.6	12.5 B	7.900	9
10	2.27 B	0.609B	0.450B	0.364B	127	129	48.9E	20.2E	35.8	28.5	12.3 B	7.880	10
11	2.18 B	0.595B	0.442B	0.364B	126	126	47.6E	19.1E	36.2	28.2	12.0 B	7.710	11
12	2.07 B	0.587B	0.438B	0.364B	118	117	45.7E	18.8E	41.0	27.7	11.7 B	7.590	12
13	2.00 B	0.580B	0.435B	0.364B	110	109	44.1E	18.2E	44.4	27.6	11.5 B	7.580	13
14	1.90 B	0.569B	0.431B	0.364B	101	102	43.1E	18.0E	44.6	27.4	11.3 B	7.430	14
15	1.81 B	0.561B	0.427B	0.364B	96.3	94.4	41.9E	18.4E	44.0	27.0	11.1 B	7.360	15
16	1.72 B	0.550B	0.427B	0.364B	90.1	88.3	40.1E	18.9A	42.5	26.1	10.9 B	7.290	16
17	1.63 B	0.543B	0.427B	0.364B	85.4	82.4	39.5E	22.3	40.9	24.9	10.7 B	7.210	17
18	1.52 B	0.531B	0.427B	0.364B	80.3	76.6	38.9E	25.6	39.7	22.4	10.6 B	7.140	18
19	1.41 B	0.520B	0.427B	0.364B	76.2	71.6	37.8E	27.2	39.6	19.2	10.4 B	7.080	19
20	1.31 B	0.517B	0.427B	0.364B	72.2	65.6	37.2E	27.1	40.1	21.3	10.2 B	7.010	20
21	1.21 B	0.513B	0.424B	0.364B	69.9	61.0	36.1E	26.4	40.3	25.7	10.1 B	6.930	21
22	1.17 B	0.513B	0.424B	0.364B	66.3	57.6	35.6E	25.3	38.7	26.5	9.92B	6.880	22
23	1.12 B	0.513B	0.420B	0.364B	63.4	57.3	35.0E	23.8	37.7	23.3	9.81B	6.820	23
24	1.08 B	0.513B	0.420B	0.364B	60.2	89.9	34.7E	22.5	36.3	23.8	9.64B	6.750	24
25	1.02 B	0.513B	0.416B	0.364B	61.8	112	34.4E	21.8	34.5	22.4	9.53B	6.690	25
26	0.995B	0.509B	0.401B	0.364B	68.7	116	34.2E	21.0	33.4	21.3	9.39B	6.640	26
27	0.949B	0.505B	0.398B	0.364B	88.1	117	33.6E	21.1	32.1	20.5	9.27B	6.580	27
28	0.916B	0.502B	0.398B	0.372B	101	116	33.1E	21.0	30.5	19.7	9.16B	6.520	28
29	0.876B		0.394B	0.383B	110	111	31.6E	21.6	29.5	19.6	8.99B	6.470	29
30	0.850B		0.394B	27.1 B	120	103	30.3E	22.9	29.6	17.0	8.90B	6.410	30
31	0.817B		0.390B		142		29.0E	24.0		16.6		6.360	31
TOTAL	54.623	16.508	13.461	37.788	2 815.0	3 224.7	1 465.6	694.8	1 071.3	785.8	343.11	229.12	TOTAL
MEAN	1.76	0.590	0.434	1.26	90.8	107	47.3	22.4	35.7	25.3	11.4	7.39	MEAN
MAX	2.91	0.790	0.490	27.1	142	153	94.6	27.4	44.6	31.2	15.9	0.76	MAX
MIN	0.817	0.502	0.390	0.364	48.4	57.3	29.0	18.0	24.2	16.6	8.90	6.36	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 29.5
MAXIMUM DAILY, 153 ON JUN 1
MINIMUM DAILY, 0.364B ON APR 8
MAXIMUM INSTANTANEOUS,
155 AT 15:00 CST ON JUN 1

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 39 10 N
LONG 95 39 50 W
DRAINAGE AREA, @ 250 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 720	JUL	127 900
FEB	1 430	AUG	60 000
MAR	1 160	SEP	92 600
APR	3 260	OCT	67 900
MAY	243 000	NOV	29 600
JUN	279 000	DEC	19 800

TOTAL DISCHARGE, 929 000 dam³

LITTLE CHURCHILL RIVER ABOVE RECLUSE LAKE - STATION NO. 06FC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.87B	8.11B	6.76B	5.66B	31.7B	106	73.0	46.3	60.0	55.7	48.5B	24.6B	1
2	9.81B	8.06B	6.71B	5.60B	50.9B	103	72.0	45.9	60.0	56.3	47.5B	24.4B	2
3	9.79B	8.00B	6.67B	5.54B	71.7B	102	69.0	45.8	60.4	57.8	46.7B	24.1B	3
4	9.73B	7.92B	6.63B	5.51B	98.7B	97.7	68.0	45.7	61.4	60.3	45.9B	23.9B	4
5	9.70B	7.84B	6.60B	5.48B	126 B	95.3	65.4	44.1	61.7	62.4	44.8B	23.6B	5
6	9.65B	7.78B	6.56B	5.46B	130 B	95.8	64.5	42.6	61.4	63.3	43.8B	23.2B	6
7	9.59B	7.72B	6.52B	5.43B	131 E	108	62.8	41.9	61.4	64.0	42.7B	23.1B	7
8	9.56B	7.70B	6.48B	5.41B	131 E	127	60.6	43.0	61.8	63.9	41.7B	22.8B	8
9	9.48B	7.67B	6.45B	5.40B	129 E	141	59.9	41.5	60.8	64.0	40.5B	22.5B	9
10	9.42B	7.61B	6.43B	5.38B	128 E	142	59.5	39.7	61.2	63.6	39.4B	22.3B	10
11	9.37B	7.56B	6.39B	5.35B	125 E	139	57.6	39.4	60.0	63.5	38.4B	22.1B	11
12	9.31B	7.50B	6.37B	5.33B	121 E	132	57.7	39.1	59.5	62.9	37.2B	21.9B	12
13	9.26B	7.42B	6.34B	5.32B	117 E	124	55.1	39.4	59.5	63.2	35.9B	21.7B	13
14	9.17B	7.36B	6.30B	5.28B	112 E	118	54.9	38.4	59.4	62.1	34.7B	21.4B	14
15	9.09B	7.32B	6.28B	5.25B	107 E	112	53.8	39.1	59.3	60.5	33.7B	21.3B	15
16	9.03B	7.27B	6.26B	5.23B	103 E	105	52.6	41.7	59.6	59.8	32.5B	21.0B	16
17	8.98B	7.23B	6.22B	5.21B	98.0E	102	52.1	43.4	59.1	59.4	31.5B	20.8B	17
18	8.89B	7.19B	6.19B	5.18B	94.3A	96.8	50.7	46.1	58.2	58.2	30.7B	20.5B	18
19	8.84B	7.16B	6.15B	5.15B	89.5	92.5	49.8	48.2	58.4	55.8	30.0B	20.4B	19
20	8.78B	7.12B	6.11B	5.12B	86.9	89.7	46.9	50.3	59.2	54.5	29.4B	20.2B	20
21	8.73B	7.08B	6.07B	5.12B	83.2	85.3	46.4	53.2	60.0	54.0	28.9B	20.0B	21
22	8.67B	7.04B	6.06B	5.20B	80.4	82.0	46.5	54.5	59.5	53.8	28.2B	19.9B	22
23	8.62B	7.01B	6.04B	5.32B	78.3	79.4	47.5	54.0	59.9	53.6	27.6B	19.7B	23
24	8.56B	6.97B	6.02B	5.45B	76.1	77.9	46.9	55.3	58.8	53.1	27.2B	19.5B	24
25	8.50B	6.93B	5.98B	5.63B	76.4	80.0	47.0	54.8	58.4	52.9	26.8B	19.2B	25
26	8.45B	6.90B	5.92B	5.85B	78.9	80.8	48.2	54.6	58.4	52.2	26.3B	19.1B	26
27	8.39B	6.84B	5.87B	6.19B	81.3	79.2	48.5	54.5	57.4	52.1	25.9B	18.9B	27
28	8.34B	6.80B	5.83B	6.67B	86.2	79.6	47.5	55.2	56.2	51.3	25.5B	18.7B	28
29	8.28B		5.78B	8.11B	92.1	79.7	46.3	56.5	56.7	51.1	25.1B	18.6B	29
30	8.23B		5.74B	10.1 B	99.3	76.3	44.9	58.2	56.1	50.2	24.7B	18.4B	30
31	8.17B		5.70B		103		46.1	59.5		49.8		18.2B	31
TOTAL	280.26	207.11	193.43	178.93	3 017.3	3 031.0	1 700.7	1 472.4	1 784.1	1 785.5	1 041.7	656.0	TOTAL
MEAN	9.04	7.40	6.24	5.96	97.3	101	54.9	47.5	59.5	57.6	34.7	21.2	MEAN
MAX	9.87	8.11	6.76	10.1	131	142	73.0	59.5	61.8	64.0	48.5	24.6	MAX
MIN	8.17	6.80	5.70	5.12	31.7	76.3	44.9	38.8	56.1	49.8	24.7	18.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 42.1
MAXIMUM DAILY, 142 ON JUN 10
MINIMUM DAILY, 5.12B ON APR 20
MAXIMUM INSTANTANEOUS,
145 AT 18:00 CST ON JUN 9

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 58 00 N
LONG 95 48 00 W
DRAINAGE AREA, 5 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	24 200	JUL	107 000
FEB	17 000	AUG	127 000
MAR	16 700	SEP	154 000
APR	15 500	OCT	154 000
MAY	261 000	NOV	90 000
JUN	362 000	DEC	56 700

TOTAL DISCHARGE, 1 330 000 dam³

LITTLE SASKATCHEWAN RIVER NEAR MINNEDOSA - STATION NO. 05MF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.491B	0.056B	0.191B	3.97 B	16.4	3.94	0.853	2.04	0.407	0.475	3.46	0.093B	1
2	0.377B	0.049B	0.115B	2.47 B	15.7	3.75	0.796	2.13	0.376	1.00	3.77	0.113B	2
3	0.210B	0.082B	0.106B	1.58 B	15.0	3.51	0.778	1.95	0.307	0.971	3.56	0.115B	3
4	0.115B	0.181B	0.090B	1.33 B	13.8	3.20	0.719	1.76	0.272	0.914	3.47	0.106B	4
5	0.063B	0.360B	0.061B	0.297B	12.2	2.99	0.694	1.68	0.265	0.835	3.63 B	0.115B	5
6	0.027B	0.518B	0.032B	0.174B	10.7	2.95	0.671	1.45	0.239	0.817	3.89 B	0.103B	6
7	0.023B	0.623B	0.015B	1.40 B	9.57	2.91	0.661	1.41	0.208	0.852	3.91 B	0.119B	7
8	0.006B	0.773B	0.021B	4.40 B	8.59	2.76	0.607	1.30	0.223	0.827	2.15 B	0.151B	8
9	0.011B	0.928B	0.050B	3.28 B	7.57	2.73	0.558	1.18	0.261	0.814	2.28 B	0.249B	9
10	0.047B	1.10 B	0.054B	1.52 B	6.96	3.02	0.523	1.05	0.233	0.800	1.79 B	0.107B	10
11	0.108B	0.968B	0.044B	1.80 B	6.83	3.05	0.588	0.925	0.232	0.896	1.35 B	0.047B	11
12	0.181B	1.21 B	0.045B	4.25 B	6.30	2.86	0.497	0.818	0.176	0.879	1.03 B	0.231B	12
13	0.202B	1.19 B	0.037B	5.40 B	6.13	2.69	0.616	0.751	0.174	1.46	1.10 B	0.349B	13
14	0.154B	1.02 B	0.021B	7.67 B	6.05	2.55	0.633	0.723	0.182	2.12	0.830B	0.209B	14
15	0.070B	0.460B	0.016B	10.3 B	5.87	2.54	0.607	0.708	0.150	2.57	0.626B	0.129B	15
16	0.097B	0.258B	0.013B	13.4 B	5.84	2.71	2.28	0.665	0.238	2.82	0.484B	0.117B	16
17	0.338B	0.209B	0.011B	17.3 B	5.81	2.93	1.89	0.628	0.225	2.98	0.395B	0.129B	17
18	0.625B	0.258B	0.009B	17.4 B	5.73	2.15	1.05	0.843	0.167	2.86	0.315B	0.137B	18
19	0.580B	0.413B	0.008B	15.5 B	5.77	1.90	2.95	0.991	0.139	2.68	0.241B	0.149B	19
20	0.628B	0.337B	0.006B	17.2 B	5.98	1.67	3.35	1.13	0.107	2.65	0.191B	0.154B	20
21	0.276B	0.426B	0.005B	20.1 B	6.20	1.54	3.11	1.04	0.092	2.29	0.269B	0.175B	21
22	0.199B	0.389B	0.028B	21.5 B	6.36	1.44	2.81	1.04	0.088	2.22	0.153B	0.342B	22
23	0.660B	0.432B	0.026B	20.4 B	6.33	1.41	2.46	1.00	0.108	2.27	0.158B	0.350B	23
24	0.318B	0.294B	0.027B	20.5 B	6.09	1.41	2.12	0.860	0.112	2.33	0.168B	0.275B	24
25	0.538B	0.194B	0.038B	20.6	5.88	1.35	1.77	0.738	0.105	2.22	0.141B	0.275B	25
26	0.490B	0.243B	0.025B	22.7	5.60	1.30	1.50	0.672	0.095	2.14	0.142B	0.286B	26
27	0.324B	0.257B	0.020B	20.4	5.30	1.26	1.52	0.583	0.153	2.09	0.167B	0.303B	27
28	0.170B	0.240B	0.039B	19.1	4.98	1.16	1.46	0.585	0.202	2.48	0.145B	0.388B	28
29	0.295B		0.356B	17.9	4.70	1.05	1.35	0.586	0.250	3.01	0.128B	0.345B	29
30	0.150B		2.01 B	17.1	4.35	0.953	1.26	0.502	0.271	3.04	0.118B	0.568B	30
31	0.089B		4.68 B		4.11		1.48	0.442		3.15		0.437B	31
TOTAL	7.468	13.557	9.980	328.861	236.70	69.283	42.881	33.130	6.137	57.090	48 241	6.577	TOTAL
MEAN	0.241	0.484	0.322	11.0	7.64	2.31	1.38	1.04	0.205	1.84	1.34	0.212	MEAN
MAX	0.880	1.21	4.68	21.5	16.4	3.94	3.35	2.13	0.407	3.15	3.89	0.568	MAX
MIN	0.006	0.049	0.005	0.174	4.11	0.953	0.497	0.442	0.088	0.475	0.118	0.047	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.12
MAXIMUM DAILY, 21.5B ON APR 22
MINIMUM DAILY, 0.005B ON MAR 21
MAXIMUM INSTANTANEOUS,
22.6B AT 17:19 CST ON APR 22

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 21 28 N
LONG 99 54 00 W
DRAINAGE AREA, 2 620 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	645	JUL	3 700
FEB	1 170	AUG	2 780
MAR	862	SEP	530
APR	28 400	OCT	4 930
MAY	20 500	NOV	3 480
JUN	5 990	DEC	568

TOTAL DISCHARGE, 73 600 dam³

LITTLE SASKATCHEWAN RIVER NEAR RIVERS - STATION NO. 05MF010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.45B	1.50B	1.49B	1.36B	18.3	5.47	1.65	1.65	1.58	0.836	0.871	1.19B	1
2	1.44B	1.51B	1.48B	1.37B	17.5	5.18	1.61	1.63	1.57	0.832	0.877	1.35B	2
3	1.44B	1.51B	1.46B	1.36B	17.0	4.71	1.56	1.61	1.57	0.829	0.864	1.35B	3
4	1.44B	1.51B	1.47B	1.36B	16.3	4.65	1.53	1.61	1.56	0.828	0.856	1.29B	4
5	1.44B	1.52B	1.46B	1.36B	15.1	4.52	1.52	1.60	1.56	0.825	0.841	1.25B	5
6	1.44B	1.51B	1.46B	1.36B	14.9	4.98	1.51	1.39	1.56	0.824	0.839	1.22B	6
7	1.44B	1.51B	1.46B	1.37B	13.8	5.14	1.51	1.39	1.53	0.822	0.834	1.14B	7
8	1.45B	1.51B	1.46B	1.37B	12.6	4.68	1.52	1.37	1.51	0.828	0.843	1.09B	8
9	1.45B	1.52B	1.46B	1.38B	11.8	4.29	1.54	1.37	1.52	0.825	1.04	1.07B	9
10	1.45B	1.50B	1.46B	1.38B	11.2	3.91	1.51	1.36	1.51	0.828	1.68 B	1.08B	10
11	1.45B	1.50B	1.44B	1.41B	10.6	3.79	1.51	1.36	1.52	0.841	2.08 B	1.07B	11
12	1.45B	1.52B	1.44B	1.46B	8.84	3.55	1.54	1.35	1.50	0.834	1.81 B	1.08B	12
13	1.44B	1.53B	1.43B	1.40B	7.91	3.45	1.54	1.35	1.50	0.830	1.98 B	1.09B	13
14	1.46B	1.54B	1.42B	1.45B	7.96	3.40	1.52	1.36	1.51	0.828	2.06 B	1.10B	14
15	1.47B	1.55B	1.41B	1.49B	8.18	3.24	1.53	1.35	1.51	0.825	2.14 B	1.11B	15
16	1.47B	1.55B	1.41B	1.52B	7.60	3.15	1.55	1.35	1.48	0.826	2.19 B	1.12B	16
17	1.47B	1.56B	1.40B	1.58B	7.48	2.91	1.56	1.65	1.46	0.824	2.30 B	1.11B	17
18	1.46B	1.55B	1.38B	1.72	7.12	2.73	1.53	1.51	1.44	0.850	2.23 B	1.11B	18
19	1.46B	1.53B	1.37B	6.85	6.57	2.79	1.54	1.52	1.42	0.836	2.28 B	1.09B	19
20	1.46B	1.51B	1.36B	17.2	6.67	2.68	1.55	1.53	1.25	0.837	2.38 B	1.06B	20
21	1.47B	1.52B	1.35B	22.0	6.56	2.54	1.57	1.53	0.951	0.847	2.08 B	1.08B	21
22	1.46B	1.52B	1.34B	23.4	6.60	2.44	1.60	1.54	0.936	0.843	1.85 B	1.09B	22
23	1.46B	1.50B	1.35B	23.7	6.69	2.32	1.61	1.55	0.946	0.845	1.76 B	1.09B	23
24	1.46B	1.50B	1.34B	23.0	7.18	2.28	1.61	1.55	0.936	0.839	1.71 B	1.10B	24
25	1.46B	1.50B	1.33B	22.9	7.16	2.02	1.59	1.56	0.929	0.849	1.63 B	1.09B	25
26	1.46B	1.49B	1.32B	21.7	7.16	1.94	1.57	1.58	0.935	0.867	1.58 B	1.11B	26
27	1.47B	1.48B	1.33B	20.8	6.98	1.93	1.57	1.59	0.932	0.867	1.48 B	1.08B	27
28	1.48B	1.49B	1.34B	20.4	7.07	1.84	1.55	1.59	0.908	0.886	1.33 B	1.07B	28
29	1.49B		1.34B	19.8	6.84	1.86	1.51	1.60	0.864	0.874	1.29 B	1.10B	29
30	1.50B		1.39B	19.3	6.11	1.74	1.50	1.61	0.855	0.865	1.24 B	1.08B	30
31	1.50B		1.37B		5.88		1.47	1.59		0.874		1.08B	31
TOTAL	45.26	42.44	43.53	367.69	300.94	100.15	47.94	45.48	39.252	26.064	46.685	34.95	TOTAL
MEAN	1.46	1.52	1.40	8.92	9.71	3.34	1.55	1.46	1.31	0.841	1.56	1.13	MEAN
MAX	1.50	1.56	1.49	23.9	18.3	5.47	1.65	1.61	1.58	0.886	2.38	1.35	MAX
MIN	1.44	1.48	1.33	1.36	5.88	1.74	1.47	1.35	0.855	0.823	0.834	1.06	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.85
MAXIMUM DAILY, 23.9 ON APR 24
MINIMUM DAILY, 0.822 ON OCT 7
MAXIMUM INSTANTANEOUS,
26.2 AT 10:13 CST ON APR 24

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 25 N
LONG 100 12 56 W
DRAINAGE AREA, 3 910 km²

B - ICE CONDITIONS

REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 910	JUL	4 180
FEB	3 670	AUG	3 930
MAR	3 760	SEP	3 390
APR	23 100	OCT	2 250
MAY	26 000	NOV	4 030
JUN	8 650	DEC	3 020

TOTAL DISCHARGE, 89 000 dam³

LITTLE SOURIS RIVER NEAR BRANDON - STATION NO. 05MH006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	6.10 B	0.202	0.101	0.005	0.002	0.001	0	---	---	1
2	---	---	0 B	2.82 B	0.177	0.089	0.005	0.002	0.001	0.001	---	---	2
3	---	---	0 B	0.642B	0.164	0.077	0.005	0.002	0.001	0	---	---	3
4	---	---	0 B	0.171B	0.163	0.070	0.005	0.002	0.001	0	---	---	4
5	---	---	0 B	0.122B	0.146	0.066	0.005	0.003	0.001	0	---	---	5
6	---	---	0 B	0.183B	0.137	0.064	0.004	0.003	0.001	0	---	---	6
7	---	---	0 B	0.176B	0.132	0.067	0.004	0.003	0	0	---	---	7
8	---	---	0 B	0.199B	0.121	0.061	0.003	0.004	0	0	---	---	8
9	---	---	0 B	0.295B	0.115	0.058	0.003	0.004	0	0	---	---	9
10	---	---	0 B	0.489B	0.135	0.052	0.003	0.003	0	0.001	---	---	10
11	---	---	0 B	2.30 B	0.153	0.065	0.003	0.004	0	0.001	---	---	11
12	---	---	0.002B	11.9 B	0.200	0.062	0.003	0.003	0	0	---	---	12
13	---	---	0.001B	22.1 B	0.330	0.066	0.003	0.002	0	0	---	---	13
14	---	---	0.004B	13.8 B	0.262	0.066	0.002	0.001	0	0	---	---	14
15	---	---	0.022B	10.2	0.262	0.063	0.002	0.001	0	0	---	---	15
16	---	---	0.031B	12.2	0.228	0.037	0.004	0.001	0	0	---	---	16
17	---	---	0.025B	3.94	0.367	0.031	0.004	0.001	0	0	---	---	17
18	---	---	0.023B	3.61	0.272	0.026	0.003	0.001	0	0	---	---	18
19	---	---	0.021B	2.15	0.352	0.025	0.005	0.001	0	0	---	---	19
20	---	---	0.020B	1.58	0.331	0.024	0.004	0.001	0	0	---	---	20
21	---	---	0.022B	1.28	0.275	0.020	0.005	0.001	0	0	---	---	21
22	---	---	0.026B	1.00	0.226	0.017	0.008	0.001	0	0	---	---	22
23	---	---	0.030B	0.816	0.197	0.016	0.007	0.001	0	0	---	---	23
24	---	---	0.030B	0.684	0.178	0.014	0.005	0.001	0	0	---	---	24
25	---	---	0.028B	0.551	0.165	0.012	0.004	0.001	0	0	---	---	25
26	---	---	0.027B	0.448	0.155	0.011	0.002	0.001	0	0	---	---	26
27	---	---	0.028B	0.374	0.158	0.009	0.002	0.001	0	0	---	---	27
28	---	---	0.032B	0.307	0.169	0.008	0.002	0.001	0.001	0.001	---	---	28
29	---	---	0.070B	0.262	0.153	0.007	0.002	0.001	0	0	---	---	29
30	---	---	0.23 B	0.224	0.134	0.006	0.002	0.001	0	0	---	---	30
31	---		0.88 B		0.114		0.002	0.001		0		---	31
TOTAL	---	---	16.272	99.915	6.109	1.190	0.118	0.054	0.007	0.004	---	---	TOTAL
MEAN	---	---	0.525	3.33	0.197	0.040	0.004	0.002	0	0	---	---	MEAN
MAX	---	---	0.88	22.1	0.352	0.101	0.008	0.004	0.001	0.001	---	---	MAX
MIN	---	---	0	0.122	0.114	0.006	0.002	0.001	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.505
MAXIMUM DAILY, 22.1B ON APR 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
22.8B AT 15:08 CST ON APR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 43 56 N
LONG 99 50 52 W
DRAINAGE AREA, 453 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	18.2
FEB	---	AUG	4.67
MAR	1 410	SEP	0.60
APR	8 630	OCT	0.35
MAY	528	NOV	---
JUN	103	DEC	---

TOTAL DISCHARGE, 10 700 dam³

LITTLE MOODY RIVER NEAR BARROWS - STATION NO. 05LC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	1.48	4.03	0.166	0.556	0.249	0.494	---	---	1
2	---	---	0B	0 B	1.44	2.31	0.172	0.593	0.258	0.509	---	---	2
3	---	---	0B	0 B	1.21	1.37	0.208	0.558	0.228	0.544	---	---	3
4	---	---	0B	0 B	1.08	0.962	0.202	0.459	0.191	0.830	---	---	4
5	---	---	0B	0 B	0.886	0.786	0.183	0.382	0.170	0.924	---	---	5
6	---	---	0B	0 B	0.697	0.711	0.241	0.318	0.160	0.709	---	---	6
7	---	---	0B	0 B	0.695	0.612	1.17	0.312	0.149	0.578	---	---	7
8	---	---	0B	0 B	0.589	0.537	0.803	0.397	0.136	0.490	---	---	8
9	---	---	0B	0 B	0.567	0.475	0.554	0.486	0.128	0.430	---	---	9
10	---	---	0B	0 B	0.569	0.428	0.400	0.350	0.113	0.392	---	---	10
11	---	---	0B	0 B	0.388	0.389	0.341	0.293	0.172	0.369	---	---	11
12	---	---	0B	0.002B	0.420	0.355	0.341	0.262	0.146	0.348	---	---	12
13	---	---	0B	0.009B	0.451	0.331	0.278	0.282	0.127	0.329	---	---	13
14	---	---	0B	0.017B	0.610	0.308	0.231	0.252	0.124	0.299	---	---	14
15	---	---	0B	0.025B	0.599	0.279	0.262	0.225	0.120	0.278	---	---	15
16	---	---	0B	0.034B	0.590	0.270	0.218	0.194	0.107	0.255	---	---	16
17	---	---	0B	0.076B	0.603	0.247	22.7	0.179	0.140	0.247	---	---	17
18	---	---	0B	0.142B	0.711	0.231	16.8	0.191	0.119	0.265	---	---	18
19	---	---	0B	0.230B	0.793	0.270	5.25	0.229	0.105	0.244	---	---	19
20	---	---	0B	0.331B	0.736	0.352	3.74	0.189	0.099	0.215	---	---	20
21	---	---	0B	0.457B	0.725	0.333	2.87	0.168	0.892	0.196	---	---	21
22	---	---	0B	0.605B	0.751	0.283	1.35	0.162	0.086	0.193	---	---	22
23	---	---	0B	0.560B	0.668	0.272	0.992	0.149	0.079	0.208	---	---	23
24	---	---	0B	0.655B	0.624	0.245	0.788	0.152	0.073	0.229	---	---	24
25	---	---	0B	0.761B	0.584	0.334	0.739	0.182	0.069	0.221	---	---	25
26	---	---	0B	0.878B	0.534	0.295	0.622	0.166	0.065	0.214	---	---	26
27	---	---	0B	1.01 B	0.480	0.251	0.593	0.148	0.071	0.200	---	---	27
28	---	---	0B	1.18 B	0.616	0.217	0.627	0.140	0.109	0.185	---	---	28
29	---		0B	1.37 B	2.23	0.195	0.608	0.136	0.388	0.177	---	---	29
30	---		0B	1.55 B	6.58	0.178	0.582	0.130	0.506	0.159	---	---	30
31	---		0B		4.95		0.551	0.214		0.155		---	31
TOTAL	---	---	0	9.892	33.016	17.964	63.772	8.374	4.571	10.886	---	---	TOTAL
MEAN	---	---	0	0.330	1.07	0.599	2.06	0.270	0.152	0.351	---	---	MEAN
MAX	---	---	0	1.55	6.58	4.03	22.7	0.593	0.506	0.924	---	---	MAX
MIN	---	---	0	0	0.367	0.178	0.166	0.130	0.065	0.155	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.606
MAXIMUM DAILY, 22.7 ON JUL 17
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 50 00 N
LONG 101 34 00 W
DRAINAGE AREA, 69.7 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 510
FEB	---	AUG	734
MAR	0	SEP	395
APR	855	OCT	961
MAY	2 850	NOV	---
JUN	1 550	DEC	---

TOTAL DISCHARGE, 12 880 dam³

LONG LAKE NEAR LITTLE GRAND RAPIDS - STATION NO. 05CB010

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	29.101	28.975	28.827	28.719	29.303	29.530	30.093	29.690	29.285	29.070	28.981	28.778	1
2	29.097	28.966	28.821	28.718	29.314	29.546	30.085	29.676	29.281	29.069	28.975	28.780	2
3	29.100	28.963	28.815	28.722	29.311	29.579	30.076	29.666	29.275	29.067	28.967	28.793	3
4	29.097	28.954	28.810	28.719	29.333	29.619	30.066	29.662	29.265	29.070	28.960	28.794	4
5	29.096	28.946	28.805	28.716	29.347	29.663	30.057	29.648	29.257	29.081	28.953	28.795	5
6	29.093	28.938	28.799	28.709	29.353	29.711	30.047	29.634	29.244	29.078	28.946	28.797	6
7	29.091	28.937	28.794	28.703	29.369	29.788	30.039	29.614	29.237	29.073	28.932	28.796	7
8	29.085	28.934	28.790	28.698	29.389	29.859	30.029	29.602	29.229	29.069	28.926	28.797	8
9	29.085	28.929	28.786	28.695	29.401	29.904	30.008	29.586	29.222	29.063	28.917	28.794	9
10	29.083	28.923	28.782	28.696	29.398	29.943	29.989	29.565	29.215	29.059	28.907	28.787	10
11	29.076	28.915	28.776	28.693	29.394	29.972	29.973	29.545	29.201	29.060	28.894	28.783	11
12	29.069	28.908	28.774	28.689	29.392	29.993	29.959	29.525	29.198	29.058	28.883	28.777	12
13	29.062	28.902	28.775	28.686	29.388	30.010	29.947	29.514	29.187	29.052	28.882	28.777	13
14	29.059	28.898	28.772	28.687	29.383	30.033	29.938	29.501	29.179	29.047	28.874	28.774	14
15	29.056	28.895	28.771	28.709	29.383	30.046	29.915	29.489	29.170	29.039	28.862	28.770	15
16	29.056	28.892	28.773	28.730	29.376	30.057	29.919	29.476	29.159	29.034	28.851	28.766	16
17	29.051	28.891	28.770	28.741	29.373	30.068	29.901	29.462	29.158	29.033	28.844	28.764	17
18	29.042	28.885	28.766	28.757	29.376	30.081	29.908	29.451	29.161	29.034	28.835	28.764	18
19	29.041	28.880	28.762	28.772	29.389	30.088	29.932	29.437	29.138	29.034	28.829	28.764	19
20	29.036	28.878	28.756	28.788	29.395	30.099	29.905	29.422	29.127	29.033	28.825	28.765	20
21	29.028	28.873	28.752	28.812	29.395	30.108	29.887	29.405	29.121	29.025	28.830	28.764	21
22	29.026	28.864	28.748	28.857	29.398	30.111	29.867	29.391	29.112	29.018	28.830	28.762	22
23	29.020	28.857	28.745	28.945	29.400	30.115	29.845	29.376	29.100	29.015	28.830	28.762	23
24	29.013	28.851	28.745	29.051	29.403	30.118	29.827	29.367	29.093	29.010	28.827	28.761	24
25	29.007	28.845	28.742	29.133	29.408	30.123	29.808	29.353	29.087	29.006	28.813	28.755	25
26	29.003	28.840	28.736	29.178	29.417	30.122	29.787	29.344	29.077	29.002	28.808	28.755	26
27	29.001	28.833	28.731	29.221	29.428	30.119	29.765	29.333	29.073	28.994	28.799	28.757	27
28	29.000	28.831	28.728	29.250	29.440	30.117	29.748	29.321	29.074	28.989	28.793	28.757	28
29	28.996		28.721	29.270	29.453	30.109	29.743	29.307	29.078	28.989	28.785	28.755	29
30	28.986		28.719	29.289	29.470	30.103	29.734	29.299	29.075	28.988	28.782	28.747	30
31	28.982		28.721		29.495		29.709	29.293		28.986		28.748	31
MEAN	29.050	28.900	28.768	28.845	29.389	29.958	29.923	29.482	29.168	29.037	28.871	28.772	MEAN
MAX	29.101	28.975	28.827	29.289	29.495	30.123	30.093	29.690	29.285	29.081	28.981	28.797	MAX
MIN	28.982	28.831	28.719	28.686	29.303	29.530	29.709	29.293	29.073	28.986	28.782	28.747	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 29.102
MAXIMUM DAILY, 30.123 ON JUN 25
MINIMUM DAILY, 28.686 ON APR 13
MAXIMUM INSTANTANEOUS,
30.136 AT 19:21 CST ON JUN 25

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 11 30 N
LONG 96 05 20 W

NATURAL FLOW

LONG RIVER NEAR HOLMFIELD - STATION NO. 05GA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	9.33 B	0.749	0.497	0.080	0.016	0.005	0.089	---	---	1
2	---	---	0 B	7.05 B	0.703	0.385	0.066	0.017	0.005	0.058	---	---	2
3	---	---	0 B	11.4 B	0.931	0.305	0.063	0.018	0.004	0.037	---	---	3
4	---	---	0 B	9.38 B	0.880	0.283	0.039	0.025	0.004	0.026	---	---	4
5	---	---	0 B	7.89 B	0.644	0.269	0.136	0.015	0.003	0.024	---	---	5
6	---	---	0 B	6.31 B	0.572	0.343	0.337	0.017	0.003	0.042	---	---	6
7	---	---	0 B	5.48 B	0.518	0.455	0.452	0.012	0.003	0.072	---	---	7
8	---	---	0 B	4.98 B	0.479	0.894	0.369	0.009	0.003	0.105	---	---	8
9	---	---	0 B	4.81 B	0.487	1.04	0.272	0.009	0.003	0.113	---	---	9
10	---	---	0 B	4.88 B	0.986	1.13	0.214	0.009	0.002	0.213	---	---	10
11	---	---	0 B	5.25 B	1.34	0.981	0.167	0.008	0.001	0.301	---	---	11
12	---	---	0 B	8.48 B	1.20	0.900	0.144	0.008	0.001	0.256	---	---	12
13	---	---	0 B	11.0 B	1.16	0.831	0.118	0.008	0.001	0.182	---	---	13
14	---	---	0 B	8.73 B	1.07	0.835	0.095	0.009	0.001	0.159	---	---	14
15	---	---	0 B	8.95 B	1.07	0.838	0.135	0.013	0.001	0.557	---	---	15
16	---	---	0.0048	7.86 B	1.17	0.772	0.120	0.008	0.001	0.398	---	---	16
17	---	---	0.0700	6.13	1.22	0.716	0.148	0.010	0.001	0.255	---	---	17
18	---	---	0.0488	5.63	1.26	0.562	0.128	0.009	0.001	0.173	---	---	18
19	---	---	0.0388	5.00	1.32	0.455	0.093	0.008	0.001	0.123	---	---	19
20	---	---	0.0188	4.53	1.28	0.426	0.059	0.005	0.001	0.139	---	---	20
21	---	---	0.0168	3.87	1.19	0.359	0.046	0.005	0.001	0.094	---	---	21
22	---	---	0.0148	3.13	1.15	0.293	0.033	0.005	0.001	0.067	---	---	22
23	---	---	0.0128	2.62	1.05	0.288	0.030	0.005	0.001	0.048	---	---	23
24	---	---	0.0128	2.25	0.953	0.308	0.041	0.005	0.001	0.035	---	---	24
25	---	---	0.0148	1.84	0.915	0.255	0.032	0.005	0.001	0.034	---	---	25
26	---	---	0.0288	1.58	0.850	0.192	0.030	0.005	0.001	0.046	---	---	26
27	---	---	0.0348	1.34	0.793	0.207	0.028	0.004	0.003	0.063	---	---	27
28	---	---	0.0608	1.18	0.736	0.203	0.030	0.004	0.022	0.136	---	---	28
29	---		1.34 B	1.01	0.706	0.159	0.026	0.003	0.033	0.153	---	---	29
30	---		3.96 B	0.858	0.652	0.122	0.030	0.004	0.031	0.123	---	---	30
31	---		16.1 B		0.573		0.019	0.005		0.096		---	31
TOTAL	---	---	15.330	162.788	28.518	15.501	3.511	0.283	0.168	4.198	---	---	TOTAL
MEAN	---	---	0.495	5.43	0.920	0.517	0.113	0.009	0.005	0.135	---	---	MEAN
MAX	---	---	16.1	11.0	1.26	1.13	0.453	0.025	0.033	0.557	---	---	MAX
MIN	---	---	0	0.858	0.479	0.122	0.019	0.003	0.001	0.034	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.940
MAXIMUM DAILY, 11.98 ON APR 3
MINIMUM DAILY, 99 ON MAR 1
MAXIMUM INSTANTANEOUS,
15.70 AT 11:00 CST ON APR 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 51 N
LONG 99 36 51 W
DRAINAGE AREA, 570 km²

B - ICE CONDITIONS

REGULATED SINCE 1956

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	303
FEB	---	AUG	24.5
MAR	1 328	SEP	13.1
APR	14 100	OCT	363
MAY	2 466	NOV	---
JUN	1 348	DEC	---

TOTAL DISCHARGE, 19 900 dam³

LONG RIVER NEAR LYNDHALL - STATION NO. 05QA014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1040	0.505	0.303	0.086	0.022	0	0.001	---	---	1
2	---	---	0 B	0.1460	0.518	0.326	0.032	0.009	0	0.010	---	---	2
3	---	---	0 B	0.1090	0.538	0.327	0.029	0.076	0	0.005	---	---	3
4	---	---	0 B	0.0868	0.550	0.308	0.026	0.023	0	0.004	---	---	4
5	---	---	0 B	0.0758	0.512	0.271	0.043	0.006	0	0.003	---	---	5
6	---	---	0 B	0.0648	0.473	0.292	0.040	0.002	0	0.010	---	---	6
7	---	---	0 B	0.0678	0.433	0.367	0.037	0.033	0	0.034	---	---	7
8	---	---	0 B	0.0758	0.418	0.406	0.019	0.132	0	0.017	---	---	8
9	---	---	0 B	0.1098	0.411	0.398	0.035	0.119	0	0.010	---	---	9
10	---	---	0 B	0.2118	0.403	0.402	0.043	0.092	0	0.022	---	---	10
11	---	---	0 B	0.3368	0.675	0.354	0.040	0.059	0	0.004	---	---	11
12	---	---	0 B	0.4028	0.628	0.308	0.068	0.021	0	0.106	---	---	12
13	---	---	0 B	1.27 B	0.576	0.249	0.068	0.006	0	0.117	---	---	13
14	---	---	0 B	3.09 B	0.550	0.208	0.068	0.003	0	0.093	---	---	14
15	---	---	0 B	4.80 B	0.518	0.254	0.066	0.003	0	0.003	---	---	15
16	---	---	0 B	5.38	0.538	0.233	0.072	0	0	0.079	---	---	16
17	---	---	0 B	3.56	0.565	0.212	0.086	0	0	0.078	---	---	17
18	---	---	0 B	2.61	0.566	0.189	0.077	0	0	0.076	---	---	18
19	---	---	0 B	2.01	0.572	0.183	0.073	0	0	0.066	---	---	19
20	---	---	0 B	1.59	0.569	0.217	0.054	0	0	0.061	---	---	20
21	---	---	0 B	1.34	0.538	0.198	0.026	0	0	0.055	---	---	21
22	---	---	0 B	1.06	0.486	0.158	0.019	0	0	0.053	---	---	22
23	---	---	0 B	0.874	0.459	0.129	0.032	0	0	0.061	---	---	23
24	---	---	0 B	0.802	0.429	0.122	0.025	0	0	0.058	---	---	24
25	---	---	0 B	0.728	0.443	0.108	0.007	0	0	0.058	---	---	25
26	---	---	0 B	0.656	0.406	0.085	0.004	0	0	0.052	---	---	26
27	---	---	0.001B	0.618	0.365	0.083	0.002	0	0	0.052	---	---	27
28	---	---	0.050B	0.556	0.323	0.080	0.001	0	0	0.057	---	---	28
29	---		0.200B	0.550	0.290	0.079	0.001	0	0.033	0.064E	---	---	29
30	---		0.400B	0.550	0.283	0.063	0.001	0	0.027	0.070E	---	---	30
31	---		0.231B		0.267		0.001	0	0.003	0.075E	---	---	31
TOTAL	---	---	0.882	33.988	14.937	6.950	1.117	0.612	0.063	1.630	---	---	TOTAL
MEAN	---	---	0.028	1.13	0.482	0.232	0.036	0.020	0.002	0.052	---	---	MEAN
MAX	---	---	0.400	5.38	0.675	0.406	0.086	0.132	0.033	0.117	---	---	MAX
MIN	---	---	0	0.864	0.267	0.063	0.001	0	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.246
MAXIMUM DAILY, 5.38 ON APR 16
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
6.40 AT 00:00 CST ON APR 16

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 55 N
LONG 99 48 04 W
DRAINAGE AREA, 150 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	96.5
FEB	---	AUG	52.9
MAR	75.2	SEP	5.04
APR	2 940	OCT	140
MAY	1 290	NOV	---
JUN	600	DEC	---

TOTAL DISCHARGE, 5 200 dam³

LOCH RIVER ABOVE BRITTON LAKE - STATION NO. 06BA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.164B	0.206B	0.263B	0.253B	5.34	7.99	3.23	0.938	6.60	1.33	0.736	0.508B	1
2	0.164B	0.206B	0.263B	0.253B	7.10	7.79	3.02	0.910	6.38	1.35	0.700	0.512B	2
3	0.164B	0.206B	0.263B	0.251B	8.20	7.39	2.76	1.12	6.03	1.33	0.678	0.513B	3
4	0.162B	0.206B	0.261B	0.251B	8.77	7.12	2.63	1.36	5.75	1.29	0.665	0.501B	4
5	0.162B	0.206B	0.261B	0.251B	8.81	6.83	2.52	1.57	5.38	1.23	0.658	0.507B	5
6	0.162B	0.206B	0.261B	0.251B	8.64	7.31	2.61	1.67	5.05	1.19	0.665	0.505B	6
7	0.160B	0.206B	0.261B	0.251B	8.64	7.84	2.73	2.04	4.76	1.17	0.644	0.499B	7
8	0.160B	0.208B	0.261B	0.251B	8.56	8.37	2.74	4.33	4.52	1.16	0.641	0.499B	8
9	0.160B	0.208B	0.261B	0.253B	8.20	8.52	2.95	5.73	4.32	1.15	0.631	0.491B	9
10	0.160B	0.210B	0.261B	0.253B	7.99	8.65	2.86	6.37	4.06	1.09	0.617	0.491B	10
11	0.160B	0.210B	0.261B	0.253B	7.40	8.24	3.01	6.09	3.83	1.06	0.601	0.481B	11
12	0.160B	0.212B	0.263B	0.253B	6.96	7.76	2.86	6.57	3.60	1.02	0.582B	0.476B	12
13	0.162B	0.212B	0.266B	0.256B	6.63	7.38	2.72	8.31	3.33	1.01	0.563B	0.472B	13
14	0.164B	0.215B	0.268B	0.256B	6.42	6.98	2.57	10.2	3.15	0.978	0.565B	0.471B	14
15	0.166B	0.217B	0.271B	0.256B	6.28	6.61	2.42	11.1	2.97	0.936	0.574B	0.470B	15
16	0.166B	0.222B	0.274B	0.256B	5.94	6.17	2.42	11.1	2.83	0.909	0.568B	0.473E	16
17	0.166B	0.227B	0.274B	0.256B	5.64	5.87	2.56	10.7	2.66	0.901	0.556B	0.470B	17
18	0.168B	0.232B	0.276B	0.256B	5.66	5.56	2.28	10.9	2.48	0.895	0.553B	0.481B	18
19	0.168B	0.236B	0.276B	0.256B	5.81	5.81	2.13	11.9	2.48	0.879	0.548B	0.480B	19
20	0.168B	0.241B	0.271B	0.256B	5.72	5.05	1.99	12.1	2.26	0.865	0.552B	0.487B	20
21	0.170B	0.246B	0.268B	0.256B	5.68	4.86	1.74	11.9	2.13	0.849	0.553B	0.483B	21
22	0.172B	0.251B	0.266B	0.258B	5.59	4.53	1.67	11.3	1.99	0.853	0.550B	0.476B	22
23	0.174B	0.256B	0.263B	0.266B	5.43	4.59	1.61	10.7	1.82	0.853	0.550B	0.479B	23
24	0.176B	0.261B	0.261B	0.276B	5.22	4.82	1.58	10.1	1.70	0.832	0.542B	0.480B	24
25	0.180B	0.263B	0.261B	0.297B	5.05	4.88	1.09	9.51	1.66	0.813	0.536B	0.490B	25
26	0.184B	0.263B	0.261B	0.404B	5.63	4.57	1.41	9.01	1.59	0.809	0.534B	0.491B	26
27	0.188B	0.263B	0.258B	0.538B	6.38	4.25	1.30	8.45	1.53	0.797	0.523B	0.488B	27
28	0.192B	0.263B	0.258B	0.743	7.28	4.01	1.22	7.97	1.41	0.771	0.518B	0.488B	28
29	0.196B		0.256B	1.17	7.91	3.74	1.15	7.65	1.35	0.772	0.514B	0.471B	29
30	0.200B		0.256B	2.85	8.17	3.51	1.09	7.29	1.37	0.753	0.511B	0.465B	30
31	0.204B		0.253B		8.17		1.00	6.96		0.752		0.471E	31
TOTAL	5.302	6.358	8.175	12.123	213.82	186.44	68.17	226.628	90.91	30.376	17.627	15.061	TOTAL
MEAN	0.171	0.227	0.264	0.404	6.87	6.21	2.20	7.31	3.30	0.984	0.588	0.486	MEAN
MAX	0.204	0.263	0.276	2.85	8.81	8.52	3.23	12.1	6.60	1.35	0.736	0.513	MAX
MIN	0.160	0.206	0.253	0.251	5.05	3.51	1.00	0.910	1.35	0.753	0.511	0.465	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.43
MAXIMUM DAILY, 12.1 ON APR 20
MINIMUM DAILY, 0.1600 ON JAN 7
MAXIMUM INSTANTANEOUS,
13.1 AT 13:00 CST ON APR 20

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 03 16 N
LONG 101 51 30 W
DRAINAGE AREA, 1 430 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	458	JUL	5 890
FEB	548	AUG	13 880
MAR	706	SEP	5 590
APR	1 050	OCT	2 620
MAY	18 400	NOV	1 530
JUN	16 100	DEC	1 300

TOTAL DISCHARGE, 75 800 dam³

MAIN DRAIN 4A NEAR DOMINION CITY - STATION NO. 05OD028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.16 B	0.003	0	0.001	0.188	0.001	0	---	---	1
2	---	---	0 B	1.78 B	0.002	0	0.001	0.146	0	0	---	---	2
3	---	---	0 B	0.668B	0.001	0	0.001	0.108	0	0	---	---	3
4	---	---	0 B	0.048B	0.001	0	0	0.069	0	0	---	---	4
5	---	---	0 B	0.038B	0	0	0.005	0.037	0	0.001	---	---	5
6	---	---	0 B	0.040B	0	0.001	0.007	0.052	0	0.001	---	---	6
7	---	---	0 B	0.187B	0	0.003	0.005	0.043	0	0.010	---	---	7
8	---	---	0 B	0.448B	0	0.003	0.006	0.028	0	0.033	---	---	8
9	---	---	0 B	0.616B	0	0.021	0.003	0.026	0	0.074	---	---	9
10	---	---	0 B	0.388B	0.001	0.068	0.002	0.020	0	0.188	---	---	10
11	---	---	0 B	0.618B	0.001	0.305	0.001	0.014	0	0.366	---	---	11
12	---	---	0 B	3.23 B	0.001	0.221	0.001	0.011	0	0.656	---	---	12
13	---	---	0 B	5.69 B	0.002	0.151	0.001	0.009	0	0.750	---	---	13
14	---	---	0 B	6.88 B	0.003	0.102	0.001	0.007	0	0.558	---	---	14
15	---	---	0 B	6.86	0.003	0.051	0.001	0.006	0	0.362	---	---	15
16	---	---	0.001B	4.46	0.004	0.018	0.001	0.005	0	0.258	---	---	16
17	---	---	0.001B	2.23	0.004	0.010	0.006	0.004	0	0.207	---	---	17
18	---	---	0.002B	1.23	0.009	0.008	0.005	0.004	0	0.165	---	---	18
19	---	---	0.013B	0.691	0.011	0.007	0.004	0.004	0	0.133	---	---	19
20	---	---	0.013B	0.388	0.031	0.007	0.003	0.004	0	0.103	---	---	20
21	---	---	0.013B	0.272	0.048	0.007	0.004	0.003	0	0.071	---	---	21
22	---	---	0.013B	0.235	0.029	0.006	0.003	0.003	0	0.052	---	---	22
23	---	---	0.013B	0.176	0.014	0.005	0.267	0.003	0	0.040	---	---	23
24	---	---	0.013B	0.138	0.010	0.004	2.79	0.002	0	0.032	---	---	24
25	---	---	0.010B	0.104	0.007	0.003	2.25	0.002	0	0.025	---	---	25
26	---	---	0.014B	0.056	0.005	0.003	1.31	0.001	0	0.020	---	---	26
27	---	---	0.018B	0.015	0.004	0.002	0.839	0.001	0	0.016	---	---	27
28	---	---	0.110B	0.008	0.002	0.002	0.570	0.001	0	0.012	---	---	28
29	---		0.708B	0.006	0.002	0.002	0.430	0.001	0	0.011	---	---	29
30	---		0.953B	0.005	0.001	0.001	0.324	0.001	0	0.010	---	---	30
31	---		3.18 B		0.001		0.246	0.001		0.009		---	31
TOTAL	---	---	5.154	38.805	0.192	1.811	9.086	0.884	0.001	4.159	---	---	TOTAL
MEAN	---	---	0.166	1.29	0.006	0.036	0.293	0.026	0	0.134	---	---	MEAN
MAX	---	---	3.18	6.86	0.048	0.305	2.79	0.188	0.001	0.750	---	---	MAX
MIN	---	---	0	0.005	0	0	0	0.001	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.242
MAXIMUM DAILY, 6.86 ON APR 15
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
9.85 AT 21:51 CST ON APR 14

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 01 N
LONG 97 08 42 W
DRAINAGE AREA, 177 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	785
FEB	---	AUG	69.5
MAR	445	SEP	0.09
APR	3 350	OCT	359
MAY	16.6	NOV	---
JUN	87.4	DEC	---

TOTAL DISCHARGE, 5 110 dam³

MAIN DRAIN 4B NEAR FREDENSTHAL - STATION NO. 05OD029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.702B	0	0	0	0.049E	0	0	---	---	1
2	---	---	0 B	0.508B	0	0	0	0.036E	0	0	---	---	2
3	---	---	0 B	0.208B	0	0	0	0.017E	0	0	---	---	3
4	---	---	0 B	0.100B	0	0	0	0.008E	0	0	---	---	4
5	---	---	0 B	0.050B	0	0	0	0.010E	0	0	---	---	5
6	---	---	0 B	0.060B	0	0	0	0.011E	0	0	---	---	6
7	---	---	0 B	0.100B	0	0	0	0.007E	0	0.005E	---	---	7
8	---	---	0 B	0.300B	0	0	0	0.004E	0	0.135E	---	---	8
9	---	---	0 B	0.450B	0	0.115	0	0.002E	0	0.153E	---	---	9
10	---	---	0 B	0.400B	0	0.319	0	0	0	0.119E	---	---	10
11	---	---	0 B	0.574B	0	0.116	0	0	0	0.073E	---	---	11
12	---	---	0 B	2.25 B	0	0.039	0	0	0	0.445E	---	---	12
13	---	---	0 B	1.82 B	0	0.014	0	0	0	0.289E	---	---	13
14	---	---	0 B	1.16 B	0	0.006	0	0	0	0.175E	---	---	14
15	---	---	0 B	0.588B	0	0.001	0	0	0	0.103E	---	---	15
16	---	---	0 B	0.343B	0	0	0	0	0	0.059E	---	---	16
17	---	---	0 B	0.181	0	0	0	0	0	0.037E	---	---	17
18	---	---	0 B	0.083	0.004	0	0	0	0	0.023E	---	---	18
19	---	---	0.001B	0.031	0.014	0	0	0	0	0.022E	---	---	19
20	---	---	0.002B	0.011	0.009	0	0	0	0	0.026E	---	---	20
21	---	---	0.003B	0.007	0.005	0	0	0	0	0.024E	---	---	21
22	---	---	0.005B	0.003	0	0	0.126E	0	0	0.021E	---	---	22
23	---	---	0.007B	0.001	0	0	1.18 E	0	0	0.018E	---	---	23
24	---	---	0.008B	0	0	0	0.990E	0	0	0.015E	---	---	24
25	---	---	0.006B	0	0	0	0.390E	0	0	0.011E	---	---	25
26	---	---	0.007B	0	0	0	0.278E	0	0	0.010E	---	---	26
27	---	---	0.010B	0	0	0	0.207E	0	0	0.009E	---	---	27
28	---	---	0.100B	0	0	0	0.158E	0	0	0.008E	---	---	28
29	---		0.200B	0	0	0	0.137E	0	0	0.007E	---	---	29
30	---		0.400B	0	0	0	0.094E	0	0	0.005E	---	---	30
31	---		0.776B		0		0.070E	0		0.003E		---	31
TOTAL	---	---	1.525	9.996	0.032	0.610	3.634	0.144	0	2.193	---	---	TOTAL
MEAN	---	---	0.049	0.333	0.001	0.020	0.117	0.005	0	0.071	---	---	MEAN
MAX	---	---	0.776	2.25	0.014	0.319	1.18	0.049	0	0.473	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.074
MAXIMUM DAILY, 2.250 ON APR 12
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
2.730 AT 10:36 CST ON APR 12

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 02 42 N
LONG 97 03 18 W
DRAINAGE AREA, 23.0 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	314
FEB	---	AUG	12.8
MAR	132	SEP	0
APR	883	OCT	198
MAY	2.76	NOV	---
JUN	52.7	DEC	---

TOTAL DISCHARGE, 1 570 dam³

MANIGOTAGAN RIVER NEAR MANIGOTAGAN - STATION NO. 05UA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.54B	2.14B	1.77B	2.77B	8.35	19.2	15.6	17.1	8.38	4.52	4.04	3.88	1
2	2.69B	2.11B	1.81B	2.72B	8.63	19.0	15.8	17.2	8.19	4.50	4.07	4.27	2
3	2.62B	2.21B	1.74B	2.72B	9.01	18.5	16.0	17.0	7.76	4.51	4.03	3.98	3
4	2.75B	2.36B	1.75B	2.73B	9.58	18.1	17.2	16.8	7.62	4.51	4.09	3.19	4
5	2.79B	2.31B	1.79B	2.76B	10.5	18.2	17.9	16.3	7.28	4.53	4.03	4.77	5
6	2.67B	2.48B	1.82B	2.75B	11.0	18.7	17.3	16.1	6.99	4.45	4.68	4.41	6
7	2.77B	2.20B	1.85B	2.82B	11.9	19.7	16.9	15.6	6.86	4.43	4.64	4.09	7
8	2.63B	2.29B	1.90B	2.86B	13.0	20.1	16.5	15.3	6.72	4.36	4.58	3.83	8
9	2.63B	2.35B	1.96B	2.84B	12.9	19.8	15.9	15.2	6.66	4.35	4.55	3.68	9
10	2.71B	2.30B	2.04B	2.83B	10.5	19.5	15.4	14.8	6.59	4.44	4.53	3.76	10
11	2.64B	2.23B	2.12B	2.78B	15.8	19.1	15.0	14.3	6.40	4.87	4.48A	3.76	11
12	2.78B	2.21B	2.21B	2.79B	16.9	18.7	14.4	13.8	6.08	4.95	4.27B	3.65	12
13	2.80B	2.22B	2.44B	3.03B	17.3	18.3	13.9	13.6	5.84	4.94	4.23A	3.69	13
14	2.81B	2.36B	2.70B	3.70B	17.5	17.8	13.6	13.5	5.68	4.89	4.21A	3.71	14
15	2.72B	2.12B	2.87B	6.31B	17.7	17.5	13.2	13.8	5.61	4.75	4.08A	3.70	15
16	2.66B	2.29B	3.14B	13.2 B	18.1	17.4	12.7	13.6	5.52	4.59	4.04A	3.67	16
17	2.70B	2.05B	3.02B	17.4 B	19.1	17.0	13.5	13.0 A	5.42	4.72	4.00A	3.68	17
18	2.75B	2.20B	2.78B	16.8 B	20.1	16.9	13.0	13.1	5.39	4.96	3.93A	3.58	18
19	2.80B	2.75B	2.70B	14.7 B	21.1	16.7	12.9	12.8	5.28	4.96	3.91A	3.60	19
20	2.83B	2.33B	2.66B	12.7 B	21.6	16.6	12.8	12.1	5.17	4.91	4.27A	3.59	20
21	2.90B	2.06B	2.60B	11.1 B	21.8	16.5	12.5	11.7	5.02	4.83	4.25A	3.44	21
22	2.76B	1.92B	2.60B	10.8 B	21.8	16.2	12.5	11.2	4.87	4.73	4.19A	3.90	22
23	2.72B	1.84B	2.58B	10.7 B	21.6	16.5	13.2	10.8	4.83	4.72	4.10	3.51	23
24	2.72B	1.82B	2.54B	10.0 B	21.4	16.1	14.1	10.5	4.67	4.71	3.99	3.47	24
25	2.64B	1.73B	2.54B	9.59B	21.1	16.1	14.4	10.1	4.58	4.72	3.92	3.34	25
26	2.65B	1.72B	2.52B	9.29B	21.0	16.0	15.1	9.64	4.45	4.68	3.88	3.31	26
27	2.53B	1.71B	2.49B	9.02B	20.7	17.6	15.5	9.32	4.38	4.66	3.76	3.32	27
28	2.35B	1.76B	2.43B	8.57	20.3	17.1	16.0	8.99	4.52	4.84	3.73	3.32	28
29	2.34B		2.48B	8.11	19.8	16.5	17.1	8.90	4.99	4.99	3.79	3.32	29
30	2.17B		2.66B	8.09	19.6	16.0	17.2	8.57	4.64	4.99	3.81	3.25	30
31	2.17B		2.82B		19.6		17.5	8.37		4.93		3.34	31
TOTAL	82.24	61.68	73.37	215.75	526.07	537.0	464.9	482.94	176.13	185.93	127.71	116.27	TOTAL
MEAN	2.65	2.20	2.37	7.19	16.9	17.9	15.0	13.0	5.87	4.71	4.26	3.75	MEAN
MAX	2.90	3.20	3.14	17.4	21.8	20.1	17.5	17.2	8.20	4.99	4.95	5.10	MAX
MIN	2.17	1.71	1.74	2.72	8.35	16.0	12.5	8.37	4.38	4.35	3.73	3.25	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.92
MAXIMUM DAILY, 21.8 ON MAY 21
MINIMUM DAILY, 1.71B ON FEB 27
MAXIMUM INSTANTANEOUS,
22.1 AT 17:09 CST ON MAY 22

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 54 N
LONG 96 17 00 W
DRAINAGE AREA, 1 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 110	JUL	40 200
FEB	5 330	AUG	36 000
MAR	6 340	SEP	15 200
APR	18 600	OCT	12 600
MAY	45 300	NOV	11 000
JUN	46 400	DEC	10 000

TOTAL DISCHARGE, 253 000 dam³

MANISTIKWAN LAKE NEAR FLIN FLON - STATION NO. 05EG006

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.220E	1.371	1.335	1.293	1.285	1.231	---	---	1
2	---	---	---	---	1.234E	1.368	1.332	1.297	1.285	1.230	---	---	2
3	---	---	---	---	1.240E	1.364	1.330	1.307	1.284	1.231	---	---	3
4	---	---	---	---	1.246A	1.363	1.325	1.305	1.285	1.233	---	---	4
5	---	---	---	---	1.258	1.362	1.327	1.304	1.280	1.231	---	---	5
6	---	---	---	---	1.275	1.363	1.347	1.303	1.277	1.228	---	---	6
7	---	---	---	---	1.315	1.362	1.343	1.310	1.276	1.227	---	---	7
8	---	---	---	---	1.318	1.353	1.342	1.313	1.277	1.226	---	---	8
9	---	---	---	---	1.320	1.357	1.340	1.304	1.276	1.227	---	---	9
10	---	---	---	---	1.324	1.349	1.337	1.299	1.273	1.227	---	---	10
11	---	---	---	---	1.327	1.347	1.337	1.297	1.270	1.228	---	---	11
12	---	---	---	---	1.334	1.343	1.337	1.298	1.266	1.226	---	---	12
13	---	---	---	---	1.340	1.345	1.332	1.308	1.262	1.225	---	---	13
14	---	---	---	---	1.348	1.346	1.333	1.310	1.256	1.226	---	---	14
15	---	---	---	---	1.349	1.339	1.333	1.331	1.251	1.226	---	---	15
16	---	---	---	---	1.353	1.340	1.333	1.329	1.250	1.226	---	---	16
17	---	---	1.282A	---	1.354	1.334	1.336	1.326	1.247	1.240	---	---	17
18	---	---	---	---	1.360	1.330	1.327	1.323	1.247	1.242	---	---	18
19	---	---	---	---	1.362	1.338	1.323	1.317	1.237	1.241	---	---	19
20	---	---	---	---	1.365	1.339	1.320	1.314	1.239	1.239	---	---	20
21	---	---	---	---	1.367	1.330	1.316	1.312	1.240	1.239	---	---	21
22	---	---	---	---	1.367	1.326	1.310	1.309	1.241	1.239	---	---	22
23	---	---	---	---	1.369	1.356	1.306	1.305	1.240	1.238	---	---	23
24	---	---	---	---	1.372	1.360	1.305	1.300	1.235	1.238	---	---	24
25	---	---	---	---	1.372	1.356	1.304	1.294	1.234	1.239	---	---	25
26	---	---	---	---	1.375	1.350	1.302	1.286	1.233	1.240	---	---	26
27	---	---	---	1.304A	1.376	1.352	1.302	1.281	1.228	1.240	---	---	27
28	---	---	---	---	1.377	1.346	1.301	1.278	1.229	1.243	---	---	28
29	---		---	---	1.381	1.342	1.299	1.279	1.242	1.240A	---	---	29
30	---		---	---	1.377	1.338	1.296	1.277	1.238	1.239E	---	---	30
31	---		---		1.372		1.298	1.283		1.239E		---	31
MEAN	---	---	---	---	1.334	1.349	1.333	1.303	1.256	1.234	---	---	MEAN
MAX	---	---	---	---	1.381	1.371	1.347	1.331	1.285	1.243	---	---	MAX
MIN	---	---	---	---	1.220	1.326	1.296	1.277	1.228	1.224	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 1.381 ON MAY 29

MAXIMUM INSTANTANEOUS,
1.382 AT 10:56 CST ON MAY 29

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 43 00 N
LONG 101 46 00 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

[illegible] BRAIN NEAR SANFORD - STATION NO. 05OG010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.2438	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.1738	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.0898	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.0858	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.0818	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.0858	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.0178	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.0428	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.3128	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.412	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.489	0	0	0	0	0	0	---	---	11
12	---	---	0 B	1.13	0	0	0	0	0	0	---	---	12
13	---	---	0 B	1.77	0	0	0	0	0	0	---	---	13
14	---	---	0 B	1.32	0	0	0	0	0	0	---	---	14
15	---	---	0 B	1.18	0	0	0	0	0	0	---	---	15
16	---	---	0 B	1.28	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.989	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.585	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.281	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.164	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.094	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0.053	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0.037	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0.024	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0.013	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0.010	0	0	0	0	0	0A	---	---	26
27	---	---	0 B	0.005	0	0	0	0	0	0E	---	---	27
28	---	---	0 B	0	0	0	0	0	0	0E	---	---	28
29	---		0.020B	0	0	0	0	0	0	0E	---	---	29
30	---		0.062B	0	0	0	0	0	0A	0E	---	---	30
31	---		0.209B		0		0	0		0E		---	31
TOTAL	---	---	0.295	10.443	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.010	0.348	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.209	1.77	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.060
MAXIMUM DAILY, 1.77 ON APR 13
MINIMUM DAILY, 0E ON MAR 1
MAXIMUM INSTANTANEOUS,
2.38 AT 06:35 CST ON APR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 18 N
LONG 97 22 32 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	25.5	SEP	0
APR	902	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 928 dam³

MANNING CANAL NEAR ILE DES CHENES - STATION NO. 05OE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	4.13 B	0.887	0.058	0.055	0.416	0.050	0.152	---	---	1
2	---	---	0 B	4.94 B	0.078	0.055	0.087	0.412	0.044	0.125	---	---	2
3	---	---	0 B	3.47 B	0.073	0.219	1.29	0.426	0.042	0.099	---	---	3
4	---	---	0 B	1.77 B	0.072	0.301	0.541	0.428	0.055	0.094	---	---	4
5	---	---	0 B	1.36 B	0.071	0.251	0.552	0.430	0.284	0.097	---	---	5
6	---	---	0 B	1.06 B	0.066	0.261	0.661	0.432	0.423	0.092	---	---	6
7	---	---	0 B	0.955B	0.067	4.63	0.460	0.419	0.345	0.174	---	---	7
8	---	---	0 B	0.880B	0.069	9.39	0.388A	0.394	0.265	0.251	---	---	8
9	---	---	0 B	1.37 B	0.071	6.84	0.375E	0.384	0.220	0.358	---	---	9
10	---	---	0 B	1.88 B	0.073	12.1	0.446E	0.389	0.213	0.518	---	---	10
11	---	---	0 B	3.05 B	0.082	8.92	0.378E	0.376	0.167	0.684	---	---	11
12	---	---	0 B	9.51 B	0.110	9.70	0.362E	0.343	0.136	0.678	---	---	12
13	---	---	0 B	13.8 B	0.117	3.11	0.336E	0.304	0.121	0.932	---	---	13
14	---	---	0 B	11.3 B	0.106	1.98	0.304E	0.287	0.111	0.794	---	---	14
15	---	---	0 B	7.70 B	0.106	1.34	0.271E	0.252	0.111	0.531	---	---	15
16	---	---	0.061B	6.27 B	0.155	0.910	0.259E	0.225	0.125	0.343	---	---	16
17	---	---	0.065B	4.68 B	0.254	0.616	0.247E	0.258	0.163	0.246	---	---	17
18	---	---	0.055B	3.37 B	0.320	0.465	0.303E	0.308	0.167	0.192	---	---	18
19	---	---	0.050B	2.03	0.433	0.353	0.401E	0.276	0.164	0.180	---	---	19
20	---	---	0.050B	1.18	0.401	0.274	0.375E	0.218	0.158	0.186	---	---	20
21	---	---	0.055B	0.745	0.298	0.227	0.336E	0.305	0.157	0.183	---	---	21
22	---	---	0.060B	0.546	0.223	0.192	0.268E	0.326	0.154	0.156	---	---	22
23	---	---	0.065B	0.419	0.158	0.165	0.223A	0.275	0.145	0.128	---	---	23
24	---	---	0.072B	0.302	0.105	0.150	0.271	0.224	0.132	0.118	---	---	24
25	---	---	0.161B	0.222	0.087	0.124	0.258	0.165	0.118	0.120	---	---	25
26	---	---	0.371B	0.176	0.081	0.111	0.291	0.126	0.098	0.156	---	---	26
27	---	---	0.595B	0.150	0.075	0.095	0.553	0.108	0.087	0.149	---	---	27
28	---	---	1.04 B	0.130	0.073	0.080	0.532	0.088	0.098	0.132	---	---	28
29	---		1.45 B	0.146	0.068	0.067	0.467	0.077	0.101	0.103	---	---	29
30	---		2.37 B	0.111	0.065	0.057	0.410	0.065	0.121	0.094	---	---	30
31	---		3.19 B		0.060		0.396	0.056		0.099		---	31
TOTAL	---	---	9.710	87.452	4.104	57.145	12.196	8.784	4.575	8.084	---	---	TOTAL
MEAN	---	---	0.313	2.92	0.132	1.90	0.393	0.283	0.153	0.261	---	---	MEAN
MAX	---	---	3.19	13.8	0.433	12.1	1.29	0.432	0.423	0.932	---	---	MAX
MIN	---	---	0	0.111	0.060	0.055	0.055	0.056	0.042	0.092	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.784
MAXIMUM DAILY, 13.2B ON APR 13
MINIMUM DAILY, 0E ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 50 N
LONG 96 56 20 W

DRAINAGE AREA, 890 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 050
FEB	---	AUG	759
MAR	839	SEP	395
APR	7 560	OCT	698
MAY	355	NOV	---
JUN	4 940	DEC	---

TOTAL DISCHARGE, 16 600 dam³

MAPLE (MARSHY) LAKE NEAR PIPESTONE - STATION NO. 05MG022

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	430.185	430.163	429.993	429.871	DRY	429.984	---	---	1
2	---	---	---	---	430.180	430.159	429.980	429.883	DRY	429.993	---	---	2
3	---	---	---	---	430.177	430.150	429.935	429.857A	DRY	429.998	---	---	3
4	---	---	---	---	430.173	430.140	429.876	429.858E	DRY	429.998	---	---	4
5	---	---	---	---	430.163	430.141	429.871	429.860E	DRY	429.999	---	---	5
6	---	---	---	---	430.161	430.151	429.870E	429.961A	DRY	430.009	---	---	6
7	---	---	---	---	430.155	430.171	429.868E	429.934	DRY	430.023	---	---	7
8	---	---	---	---	430.169	430.169	429.907A	429.876A	DRY	430.025	---	---	8
9	---	---	---	---	430.189	430.168	429.935	DRY	DRY	430.034	---	---	9
10	---	---	---	---	430.161	430.161	429.896A	DRY	DRY	430.052	---	---	10
11	---	---	---	---	430.163	430.155	429.870E	DRY	DRY	430.078	---	---	11
12	---	---	---	---	430.161	430.147	429.935A	DRY	DRY	430.085	---	---	12
13	---	---	---	---	430.158	430.141	429.932	DRY	DRY	430.089	---	---	13
14	---	---	---	430.283A	430.155	430.136	429.887A	DRY	DRY	430.091	---	---	14
15	---	---	---	430.283	430.157	430.128	429.862A	DRY	DRY	430.089	---	---	15
16	---	---	---	430.277	430.168	430.119	429.987	DRY	DRY	430.090	---	---	16
17	---	---	---	430.271	430.178	430.110	430.058	DRY	DRY	430.089	---	---	17
18	---	---	---	430.267	430.180	430.103	430.059	DRY	DRY	430.090	---	---	18
19	---	---	---	430.263	430.179	430.099	430.055	DRY	DRY	430.090	---	---	19
20	---	---	---	430.258	430.177	430.094	430.051	DRY	DRY	430.089	---	---	20
21	---	---	---	430.255	430.173	430.087	430.042	DRY	DRY	430.086	---	---	21
22	---	---	---	430.248	430.168	430.078	430.037	DRY	DRY	430.087	---	---	22
23	---	---	---	430.239	430.161	430.069	430.038	DRY	DRY	430.085	---	---	23
24	---	---	---	430.233	430.191	430.058	430.036	DRY	DRY	430.085	---	---	24
25	---	---	---	430.222	430.192	430.047	430.027	DRY	DRY	430.084	---	---	25
26	---	---	---	430.216	430.188	430.035	430.018	DRY	DRY	430.084	---	---	26
27	---	---	---	430.210	430.184	430.026	430.009	DRY	429.888A	430.083A	---	---	27
28	---	---	---	430.203	430.178	430.021	429.996	DRY	429.967	430.083E	---	---	28
29	---		---	430.196	430.178	430.018	429.984	DRY	429.982	430.083E	---	---	29
30	---		---	430.192	430.175	430.007	429.973	DRY	429.982	430.083E	---	---	30
31	---		---		430.171		429.940	DRY		430.083E		---	31
MEAN	---	---	---	---	430.171	430.108	429.965	---	---	430.662	---	---	MEAN
MAX	---	---	---	---	430.192	430.171	430.059	429.961	429.982	430.091	---	---	MAX
MIN	---	---	---	---	430.149	430.007	429.862	DRY	DRY	429.984	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 430.283A ON APR 14

MAXIMUM INSTANTANEOUS,
430.287 AT 16:55 CST ON APR 15

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - DRY AT GAUGE, AUG 9 TO SEP 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 14 N
LONG 100 48 58 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1968

DRAINAGE AREA,
1 170 km²

MARSH RIVER NEAR OTTERBURNE - STATION NO. 05OE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.97 B	0.663	0.078	0.124	0.072	0	0	---	---	1
2	---	---	0 B	1.80 B	0.569	0.067	0.126	0.067	0	0	---	---	2
3	---	---	0 B	1.66 B	0.497	0.063	0.138	0.068	0	0	---	---	3
4	---	---	0 B	1.57 B	0.477	0.059	0.136	0.063	0	0	---	---	4
5	---	---	0 B	1.63 B	0.409	0.059	0.155	0.057	0	0	---	---	5
6	---	---	0 B	1.69 B	0.345	0.080	0.165	0.058	0	0.001	---	---	6
7	---	---	0 B	1.73 B	0.274	0.109	0.161	0.056	0	0.001	---	---	7
8	---	---	0 B	1.75 B	0.214	0.139	0.155	0.053	0	0	---	---	8
9	---	---	0 B	1.80 B	0.188	0.391	0.152	0.052	0	0	---	---	9
10	---	---	0 B	1.84 B	0.177	0.574	0.147	0.048	0	0.001	---	---	10
11	---	---	0 B	1.89 B	0.171	2.19	0.141	0.042	0	0	---	---	11
12	---	---	0 B	1.97 B	0.160	2.07	0.134	0.036	0	0	---	---	12
13	---	---	0 B	2.22 B	0.162	1.59	0.141	0.032	0	0	---	---	13
14	---	---	0 B	3.47 B	0.111	1.30	0.141	0.029	0	0	---	---	14
15	---	---	0.007B	9.53 B	0.084	1.02	0.236	0.030	0	0	---	---	15
16	---	---	0.013B	18.3	0.068	0.743	0.523	0.026	0	0	---	---	16
17	---	---	0.032B	11.4	0.059	0.664	0.374	0.021	0	0	---	---	17
18	---	---	0.055B	7.59	0.050	0.519	0.208	0.019	0	0	---	---	18
19	---	---	0.112B	5.20	0.044	0.366	0.117	0.017	0	0	---	---	19
20	---	---	0.102B	4.28	0.035	0.300	0.072	0.010	0	0	---	---	20
21	---	---	0.091B	3.37	0.031	0.316	0.048	0.008	0	0	---	---	21
22	---	---	0.091B	2.63	0.027	0.217	0.033	0.009	0	0	---	---	22
23	---	---	0.091B	2.02	0.022	0.126	0.026	0.006	0	0	---	---	23
24	---	---	0.102B	1.18	0.023	0.080	0.021	0.003	0	0	---	---	24
25	---	---	0.107B	1.03	0.046	0.073	0.027	0	0	0	---	---	25
26	---	---	0.124B	1.11	0.068	0.121	0.043	0	0	0	---	---	26
27	---	---	0.163B	1.05	0.074	0.101	0.055	0	0	0	---	---	27
28	---	---	0.265B	0.976	0.076	0.114	0.059	0	0	0	---	---	28
29	---		0.407B	0.897	0.075	0.120	0.070	0	0	0	---	---	29
30	---		0.725B	0.794	0.072	0.123	0.073	0	0	0	---	---	30
31	---		1.31 B		0.072		0.073	0		0		---	31
TOTAL	---	---	3.797	94.347	5.319	13.764	4.074	0.882	0	0.003	---	---	TOTAL
MEAN	---	---	0.122	3.14	0.172	0.459	0.131	0.028	0	0	---	---	MEAN
MAX	---	---	1.31	18.3	0.663	2.19	0.523	0.072	0	0.001	---	---	MAX
MIN	---	---	0	0.794	0.022	0.059	0.021	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.499
MAXIMUM DAILY, 18.3 ON APR 16
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
18.7 AT 09:45 CST ON APR 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 00 N
LONG 97 09 20 W
DRAINAGE AREA, 485 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	352
FEB	---	AUG	76.2
MAR	328	SEP	0
APR	8 150	OCT	0.26
MAY	460	NOV	---
JUN	1 190	DEC	---

TOTAL DISCHARGE, 10 600 dam³

MARY JANE CREEK AT LA RIVIERE - STATION NO. 05OB013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.385B	0.028E	0.025E	---	---	---	---	---	---	1
2	---	---	0 B	0.520B	0.026E	0.025E	---	---	---	---	---	---	2
3	---	---	0 B	0.585B	0.026E	0.024E	---	---	---	---	---	---	3
4	---	---	0 B	0.600B	0.022E	0.024E	---	---	---	---	---	---	4
5	---	---	0 B	0.610B	0.021A	0.024E	---	---	---	---	---	---	5
6	---	---	0 B	0.615B	0.021E	0.023E	---	---	---	---	---	---	6
7	---	---	0 B	0.620B	0.021E	0.023C	---	---	---	---	---	---	7
8	---	---	0 B	0.630B	0.022E	0.023E	---	---	---	---	---	---	8
9	---	---	0 B	0.640B	0.022E	0.022E	---	---	---	---	---	---	9
10	---	---	0 B	0.660B	0.022E	0.022E	---	---	---	---	---	---	10
11	---	---	0 B	0.900B	0.022E	0.022E	---	---	---	---	---	---	11
12	---	---	0 B	1.30 B	0.023E	0.021E	---	---	---	---	---	---	12
13	---	---	0 B	1.44 B	0.023E	0.021E	---	---	---	---	---	---	13
14	---	---	0.001B	1.21	0.023E	0.112	---	---	---	---	---	---	14
15	---	---	0.001B	1.35	0.023E	0.068	---	---	---	---	---	---	15
16	---	---	0.001B	1.07	0.024E	0.036E	---	---	---	---	---	---	16
17	---	---	0.001B	0.755	0.024E	0.027E	---	---	---	---	---	---	17
18	---	---	0.001B	0.525	0.024E	0.027E	---	---	---	---	---	---	18
19	---	---	0.001B	0.324	0.024E	0.026E	---	---	---	---	---	---	19
20	---	---	0.001B	0.180	0.024E	0.026E	---	---	---	---	---	---	20
21	---	---	0.001B	0.114	0.025E	0.025E	---	---	---	---	---	---	21
22	---	---	0.001B	0.085	0.025E	0.025E	---	---	---	---	---	---	22
23	---	---	0.001B	0.067	0.025E	0.024E	---	---	---	---	---	---	23
24	---	---	0.001B	0.060E	0.025E	0.024E	---	---	---	---	---	---	24
25	---	---	0.008B	0.050E	0.026E	0.023E	---	---	---	---	---	---	25
26	---	---	0.020B	0.046E	0.026E	0.022E	---	---	---	---	---	---	26
27	---	---	0.046B	0.040E	0.026A	0.022E	---	---	---	---	---	---	27
28	---	---	0.082B	0.037E	0.026E	0.021E	---	---	---	---	---	---	28
29	---		0.130B	0.033E	0.026E	0.021E	---	---	---	---	---	---	29
30	---		0.182B	0.030E	0.026E	0.020E	---	---	---	---	---	---	30
31	---		0.240B		0.025E		---	---		---		---	31
TOTAL	---	---	0.719	15.481	0.744	0.848	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.023	0.516	0.024	0.028	---	---	---	---	---	---	MEAN
MAX	---	---	0.240	1.44	0.028	0.112	---	---	---	---	---	---	MAX
MIN	---	---	0	0.030	0.021	0.020	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.146
MAXIMUM DAILY, 1.44B ON APR 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.86B AT 12:00 CST ON APR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 14 21 N
LONG 98 40 28 W
DRAINAGE AREA, 135 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	62.1	SEP	---
APR	1 340	OCT	---
MAY	64.3	NOV	---
JUN	73.3	DEC	---

TOTAL DISCHARGE, 1 540 dam³

MARY JANE RESERVOIR NEAR LA RIVIERE - STATION NO. 05OB014

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	467.987	467.963	467.938	468.179	468.484	468.442	468.423	468.348	468.235	468.149	468.186	468.142	1
2	467.986	467.963	467.938	468.265	468.482	468.439	468.418	468.344	468.230	468.150	468.181	468.142	2
3	467.986	467.963	467.938	468.309	468.480	468.435	468.416	468.343	468.224	468.152	468.178	468.143	3
4	467.985	467.962	467.937	468.315	468.477	468.429	468.414	468.340	468.216	468.154	468.177	468.143	4
5	467.984	467.962	467.936	468.318	468.469	468.425	468.411	468.337	468.213	468.155	468.176	468.145	5
6	467.984	467.961	467.935	468.327	468.463	468.424	468.411	468.332	468.209	468.156	468.176	468.145	6
7	467.984	467.959	467.935	468.330	468.457	468.427	468.411	468.335	468.205	468.159	468.175	468.144	7
8	467.983	467.959	467.934	468.331	468.455	468.429	468.410	468.333	468.208	468.163	468.174	468.146	8
9	467.982	467.957	467.933	468.338E	468.455	468.432	468.408	468.333	468.205	468.172	468.173	468.145	9
10	467.981	467.955	467.930	468.364E	468.457	468.436	468.409	468.330	468.204	468.182	468.171	468.144	10
11	467.980	467.953	467.928	468.410E	468.459	468.437	468.406	468.327	468.197	468.189	468.169	468.145	11
12	467.979	467.951	467.928	468.503E	468.460	468.439	468.403	468.324	468.193	468.194	468.169	468.145	12
13	467.978	467.949	467.924	468.628	468.460	468.439	468.399	468.320	468.187	468.198	468.168	468.145	13
14	467.976	467.948	467.927	468.624	468.462	468.442	468.399	468.319	468.178	468.200	468.165	468.145	14
15	467.975	467.946	467.934	468.602	468.462	468.444	468.398	468.317	468.175	468.200	468.163	468.144	15
16	467.974	467.944	467.928	468.586	468.462	468.446	468.397	468.316	468.171	468.200	468.162	468.144	16
17	467.973	467.944	467.926	468.561	468.464	468.447	468.396	468.312	468.168	468.200	468.159	468.144	17
18	467.971	467.946	467.926	468.543	468.470	468.448	468.396	468.306	468.163	468.200	468.157	468.145	18
19	467.971	467.946	467.927	468.529	468.473	468.449	468.394	468.304	468.159	468.199	468.157	468.145	19
20	467.970	467.948	467.927	468.520	468.474	468.450	468.391	468.297	468.157	468.199	468.155	468.145	20
21	467.969	467.945	467.927	468.514	468.476	468.451	468.385	468.292	468.155	468.198	468.154	468.144	21
22	467.968	467.945	467.927	468.511	468.476	468.452	468.380	468.288	468.152	468.198	468.155	468.144	22
23	467.969	467.945	467.929	468.508	468.476	468.452	468.376	468.284	468.148	468.198	468.155	468.144	23
24	467.971	467.945	467.930	468.507	468.474	468.453	468.375	468.277	468.147	468.197	468.153	468.143	24
25	467.969	467.944	467.930	468.505	468.470	468.455	468.375	468.271	468.143	468.196	468.151	468.143	25
26	467.968	467.942	467.929	468.502	468.466	468.454	468.375	468.267	468.140	468.195	468.148	468.142	26
27	467.966	467.941	467.933	468.499	468.463	468.448	468.374	468.260	468.137	468.192	468.146	468.141	27
28	467.965	467.939	467.938	468.496	468.460	468.437	468.372	468.254	468.141	468.190	468.144	468.139	28
29	467.965		467.970	468.490	468.456	468.433	468.367	468.247	468.147	468.191	468.144	468.139	29
30	467.965		468.025	468.485	468.452	468.428	468.361	468.242	468.148	468.188	468.142	468.139	30
31	467.964		468.105		468.447		468.355	468.239		468.187		468.137	31
MEAN	467.975	467.951	467.981	468.453	468.466	468.441	468.394	468.304	468.179	468.184	468.163	468.143	MEAN
MAX	467.987	467.963	468.105	468.628	468.484	468.455	468.423	468.348	468.235	468.200	468.186	468.146	MAX
MIN	467.964	467.939	467.924	468.179	468.447	468.424	468.355	468.239	468.137	468.149	468.142	468.137	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 468.217
MAXIMUM DAILY, 468.628 ON APR 13
MINIMUM DAILY, 467.924 ON MAR 13
MAXIMUM INSTANTANEOUS,
468.641 AT 10:50 CST ON APR 13

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 17 14 N
LONG 98 37 27 W

E - ESTIMATED

REGULATED

DRAINAGE AREA,
81.6 km²

MCKINNON CREEK NEAR MCCREARY - STATION NO. 05LJ027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.174B	0.314	0.185	0.060	0.045E	0.007E	0.097	---	---	1
2	---	---	0 B	0.173B	0.337	0.182	0.059	0.043E	0.010	0.111	---	---	2
3	---	---	0 B	0.170B	0.391	0.206	0.061	0.041E	0.006	0.103	---	---	3
4	---	---	0 B	0.167B	0.374	0.185	0.061	0.035E	0.003	0.086	---	---	4
5	---	---	0 B	0.164B	0.304	0.233	0.057	0.034E	0.002	0.081	---	---	5
6	---	---	0 B	0.160B	0.265	0.332	0.054	0.030E	0.002	0.079	---	---	6
7	---	---	0 B	0.156B	0.255	0.668	0.051	0.029E	0.010	0.082	---	---	7
8	---	---	0 B	0.152B	0.232	0.462	0.049	0.028E	0.017	0.078	---	---	8
9	---	---	0 B	0.149B	0.216	0.334	0.046	0.026E	0.013	0.076	---	---	9
10	---	---	0 B	0.146B	0.243	0.264	0.044	0.011E	0.009	0.195	---	---	10
11	---	---	0 B	0.144B	0.584	0.212	0.044	0.018A	0.007	0.694	---	---	11
12	---	---	0 B	0.585B	0.440	0.179	0.043	0.013E	0.034	0.332	---	---	12
13	---	---	0 B	1.58 B	0.427	0.164	0.043	0.015E	0.036	0.156	---	---	13
14	---	---	0 B	2.91 B	0.449	0.128	0.045	0.033E	0.035	0.095	---	---	14
15	---	---	0 B	3.73 B	0.502	0.109	0.075	0.137	0.037	0.079	---	---	15
16	---	---	0 B	2.68 B	1.17	0.103	0.217	0.065	0.083	0.069	---	---	16
17	---	---	0 B	2.56 B	1.94	0.098	0.111	0.054	0.082	0.080	---	---	17
18	---	---	0 B	4.19 B	2.07	0.095	0.086	0.045	0.072	0.082	---	---	18
19	---	---	0 B	3.27 B	1.29	0.098	0.071	0.041	0.067	0.072	---	---	19
20	---	---	0 B	2.44 B	0.939	0.105	0.052	0.037	0.091	0.065	---	---	20
21	---	---	0 B	3.36 B	0.746	0.109	0.050	0.035	0.122	0.049	---	---	21
22	---	---	0 B	3.76 B	0.615	0.107	0.050	0.032	0.147	0.047	---	---	22
23	---	---	0 B	4.44	0.547	0.106	0.046E	0.042	0.157	0.046	---	---	23
24	---	---	0 B	2.75	0.490	0.107	0.044E	0.032	0.148	0.042	---	---	24
25	---	---	0 B	1.74	0.447	0.102	0.042E	0.026	0.139	0.045	---	---	25
26	---	---	0 B	1.10	0.261A	0.096	0.038E	0.023	0.128	0.043	---	---	26
27	---	---	0 B	0.771	0.243	0.088	0.036E	0.029E	0.119	0.034	---	---	27
28	---	---	0.011B	0.552	0.221	0.079	0.069E	0.026E	0.264	0.183	---	---	28
29	---		0.042B	0.445	0.210	0.071	0.124	0.011E	0.195	0.540	---	---	29
30	---		0.092B	0.383	0.204	0.063	0.061	0.017E	0.108	0.255	---	---	30
31	---		0.168B		0.196		0.055	0.012E		0.145		---	31
TOTAL	---	---	0.313	48.001	16.922	5.270	1.944	1.068	2.150	4.141	---	---	TOTAL
MEAN	---	---	0.010	1.47	0.546	0.176	0.063	0.034	0.072	0.134	---	---	MEAN
MAX	---	---	0.168	4.44	2.07	0.668	0.217	0.137	0.264	0.694	---	---	MAX
MIN	---	---	0	0.144	0.196	0.063	0.036	0.011	0.002	0.034	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.309
MAXIMUM DAILY, 4.44 ON APR 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
7.78B AT 22:17 CST ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 48 00 N
LONG 99 28 46 W
DRAINAGE AREA, 78.2 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	168
FEB	---	AUG	92.3
MAR	27.0	SEP	186
APR	3 800	OCT	358
MAY	1 460	NOV	---
JUN	455	DEC	---

TOTAL DISCHARGE, 6 550 dam³

MEDORA CREEK NEAR NAPINKA - STATION NO. 05NG020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.499B	0.001	0.073	0	0	0	0	---	---	1
2	---	---	0 B	0.789B	0	0.045	0	0	0	0	---	---	2
3	---	---	0 B	0.472B	0	0.023	0	0	0	0	---	---	3
4	---	---	0 B	0.313B	0	0.006	0	0	0	0	---	---	4
5	---	---	0 B	0.243B	0	0.003	0	0	0	0	---	---	5
6	---	---	0 B	0.228B	0	0.003	0	0	0	0	---	---	6
7	---	---	0 B	0.287B	0	0.005	0	0	0	0	---	---	7
8	---	---	0 B	1.27 B	0	0.005	0	0	0	0	---	---	8
9	---	---	0 B	3.99 B	0	0.003	0	0	0	0	---	---	9
10	---	---	0 B	2.94 B	0	0.002	0	0	0	0	---	---	10
11	---	---	0 B	4.32 B	0	0	0	0	0	0	---	---	11
12	---	---	0 B	9.43 B	0	0	0	0	0	0	---	---	12
13	---	---	0 B	5.84 B	0	0	0	0	0	0	---	---	13
14	---	---	0 B	11.5	0	0	0	0	0	0	---	---	14
15	---	---	0 B	6.58	0	0	0	0	0	0	---	---	15
16	---	---	0 B	3.09	0	0	0	0	0	0	---	---	16
17	---	---	0 B	1.46	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.759	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.466	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.328	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.219	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0.172	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0.142	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0.100	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0.063	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0.044	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0.027	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0.011	0	0	0	0	0	0	---	---	28
29	---		0 B	0.005	0	0	0	0	0	0	---	---	29
30	---		0.001B	0.003	0	0	0	0	0	0	---	---	30
31	---		0.005B		0.040		0	0		0		---	31
TOTAL	---	---	0.006	55.590	0.041	0.168	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	1.85	0.001	0.006	0	0	0	0	---	---	MEAN
MAX	---	---	0.005	11.5	0.040	0.073	0	0	0	0	---	---	MAX
MIN	---	---	0	0.003	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.228
MAXIMUM DAILY, 11.5 ON APR 14
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
14.2 AT 11:01 CST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 30 N
LONG 100 42 10 W
DRAINAGE AREA, 434 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0.52	SEP	0
APR	4 800	OCT	0
MAY	3.54	NOV	---
JUN	14.5	DEC	---

TOTAL DISCHARGE, 4 820 dam³

MINK CREEK NEAR ETHELBERT - STATION NO. 05LJ019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.050B	0.280	0.111	0.015	0.066	0.009	0.132	---	---	1
2	---	---	0 B	0 B	0.271	0.100	0.031	0.061	0.015	0.142	---	---	2
3	---	---	0 B	0 B	0.230	0.086	0.089	0.079	0.016	0.108	---	---	3
4	---	---	0 B	0 B	0.272	0.076	0.111	0.072	0.010	0.112	---	---	4
5	---	---	0 B	0 B	0.167	0.077	0.099	0.081	0.009	0.108	---	---	5
6	---	---	0 B	0 B	0.140	0.072	0.118	0.114	0.007	0.097	---	---	6
7	---	---	0 B	0 B	0.152	0.076	0.156	0.100	0.015	0.104	---	---	7
8	---	---	0 B	0 B	0.107	0.067	0.072	0.071	0.009	0.103	---	---	8
9	---	---	0 B	0 B	0.089	0.066	0.056	0.056	0.004	0.094	---	---	9
10	---	---	0 B	0 B	0.135	1.062	0.046	0.051	0.005	0.109	---	---	10
11	---	---	0 B	0.030B	0.097	0.056	0.046	0.049	0.009	0.119	---	---	11
12	---	---	0 B	0.079B	0.098	0.051	0.048	0.045	0.005	0.108	---	---	12
13	---	---	0 B	0.302B	0.091	0.045	0.034	0.036	0.006	0.119	---	---	13
14	---	---	0 B	0.948B	0.089	0.039	0.034	0.036	0.003	0.123	---	---	14
15	---	---	0 B	1.57 B	0.095	0.036	0.028	0.040	0.002	0.105	---	---	15
16	---	---	0 B	1.73 B	0.081	0.034	0.035	0.027	0.001	0.099	---	---	16
17	---	---	0 B	1.65 B	0.094	0.030	0.126	0.027	0.023	0.105	---	---	17
18	---	---	0 B	1.41 B	0.107	0.047	0.141	0.018	0.004	0.094	---	---	18
19	---	---	0 B	1.26 B	0.128	0.060	0.121	0.010	0.001	0.086	---	---	19
20	---	---	0 B	1.10 B	0.145	0.068	0.219	0.006	0.001	0.085	---	---	20
21	---	---	0 B	0.786E	0.134	0.060	0.304	0.004	0.003	0.084	---	---	21
22	---	---	0 B	0.419	0.120	0.044	0.317	0.004	0.009	0.083	---	---	22
23	---	---	0 B	0.417	0.217	0.042	0.196	0.002	0.006	0.081	---	---	23
24	---	---	0 B	0.560	0.142	0.047	0.148	0.001	0.004	0.080	---	---	24
25	---	---	0 B	0.576	0.113	0.044	0.099	0	0.006	0.074	---	---	25
26	---	---	0 B	0.564	0.103	0.041	0.064	0.001	0.005	0.070	---	---	26
27	---	---	0 B	0.582	0.092	0.037	0.059	0.003	0.006	0.077	---	---	27
28	---	---	0.056B	0.556	0.090	0.031	0.101	0.004	0.051	0.133	---	---	28
29	---		0.415B	0.530	0.091	0.026	0.210	0.006	0.159	0.189	---	---	29
30	---		0.263B	0.392	0.106	0.020	0.113	0.008	0.126	0.175A	---	---	30
31	---		0.175B		0.110		0.079	0.006		0.150E		---	31
TOTAL	---	---	0.909	15.511	4.186	1.651	3.315	1.084	0.529	3.348	---	---	TOTAL
MEAN	---	---	0.029	0.517	0.135	0.055	0.107	0.035	0.018	0.108	---	---	MEAN
MAX	---	---	0.415	1.73	0.280	0.111	0.317	0.114	0.159	0.189	---	---	MAX
MIN	---	---	0	0	0.081	0.020	0.015	0	0.001	0.070	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.125
MAXIMUM DAILY, 1.73B ON APR 16
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 25 00 N
LONG 100 21 10 W
DRAINAGE AREA, 132 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	286
FEB	---	AUG	93.7
MAR	78.5	SEP	45.7
APR	1 340	OCT	289
MAY	362	NOV	---
JUN	143	DEC	---

TOTAL DISCHARGE, 2 640 dam³

MINK CREEK NEAR SIFTON - STATION NO. 05LJ048

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.544B	0.228	0.029	0.005	0.022	0.005	0	---	---	1
2	---	---	0 B	0.097B	0.211	0.022	0.006	0.016	0.005	0.005	---	---	2
3	---	---	0 B	0 B	0.206	0.019	0.018	0.014	0.004	0.006	---	---	3
4	---	---	0 B	0 B	0.200	0.017	0.037	0.013	0.003	0.007	---	---	4
5	---	---	0 B	0 B	0.189	0.015	0.052	0.012	0.003	0.007	---	---	5
6	---	---	0 B	0 B	0.182	0.013	0.053	0.016	0.002	0.006	---	---	6
7	---	---	0 B	0 B	0.158	0.012	0.034	0.018	0.002	0.006	---	---	7
8	---	---	0 B	0 B	0.129	0.010	0.022	0.010	0.002	0.006	---	---	8
9	---	---	0 B	0 B	0.109	0.009	0.017	0.010	0.001	0.005	---	---	9
10	---	---	0 B	0 B	0.109	0.009	0.014	0.008	0.001	0.006	---	---	10
11	---	---	0 B	0 B	0.143	0.008	0.012	0.008	0	0.008	---	---	11
12	---	---	0 B	0.032B	0.120	0.007	0.016	0.007	0	0.008	---	---	12
13	---	---	0 B	1.76 B	0.098	0.006	0.017	0.006	0	0.009	---	---	13
14	---	---	0 B	2.25 B	0.091	0.005	0.014	0.006	0	0.029	---	---	14
15	---	---	0 B	2.68 B	0.085	0.004	0.012	0.006	0	0.043	---	---	15
16	---	---	0 B	2.50	0.096	0.004	0.350	0.005	0	0.038	---	---	16
17	---	---	0 B	2.21	0.123	0.003	0.234	0.004	0	0.043	---	---	17
18	---	---	0 B	2.23	0.109	0.003	0.153	0.003	0	0.044	---	---	18
19	---	---	0 B	1.83	0.080	0.003	0.113	0.003	0	0.037	---	---	19
20	---	---	0 B	1.58	0.078	0.004	0.123	0.002	0	0.032	---	---	20
21	---	---	0 B	1.29	0.077	0.004	0.062	0.001	0	0.032	---	---	21
22	---	---	0 B	1.01	0.069	0.004	0.041	0.001	0	0.033	---	---	22
23	---	---	0 B	0.804	0.060	0.005	0.036	0.001	0	0.031	---	---	23
24	---	---	0 B	0.642	0.056	0.018	0.029	0.001	0	0.033	---	---	24
25	---	---	0 B	0.743	0.050	0.022	0.021	0.001	0	0.029	---	---	25
26	---	---	0 B	0.699	0.040	0.015	0.017	0	0	0.027	---	---	26
27	---	---	0.032B	0.485	0.033	0.010	0.013	0.007	0	0.027	---	---	27
28	---	---	0.219B	0.395	0.028	0.009	0.013	0.038	0.001	0.065	---	---	28
29	---		0.774B	0.321	0.024	0.007	0.018	0.013	0	0.303	---	---	29
30	---		0.670B	0.265	0.026	0.006	0.024	0.008	0	0.336	---	---	30
31	---		0.600B		0.031		0.024	0.006		0.304		---	31
TOTAL	---	---	2.295	24.367	3.238	0.382	1.600	0.262	0.029	1.563	---	---	TOTAL
MEAN	---	---	0.074	0.812	0.104	0.010	0.052	0.008	0.001	0.050	---	---	MEAN
MAX	---	---	0.774	2.68	0.228	0.029	0.350	0.038	0.005	0.336	---	---	MAX
MIN	---	---	0	0	0.024	0.003	0.005	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.137
MAXIMUM DAILY, 2.68B ON APR 15
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 25 55 N
LONG 100 01 00 W
DRAINAGE AREA, 269 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	138
FEB	---	AUG	22.6
MAR	198	SEP	2.51
APR	2 110	OCT	135
MAY	288	NOV	---
JUN	26.1	DEC	---

TOTAL DISCHARGE, 2 910 dam³

MINNEWASTA CREEK NEAR BEULAH - STATION NO. 05NE008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.463B	0	0	---	---	---	---	---	---	1
2	---	---	0 B	0.467B	0	0	---	---	---	---	---	---	2
3	---	---	0 B	0.472B	0	0	---	---	---	---	---	---	3
4	---	---	0 B	0.476B	0	0	---	---	---	---	---	---	4
5	---	---	0 B	0.481B	0	0	---	---	---	---	---	---	5
6	---	---	0 B	0.485B	0	0	---	---	---	---	---	---	6
7	---	---	0 B	0.490B	0	0	---	---	---	---	---	---	7
8	---	---	0 B	0.495B	0	0	---	---	---	---	---	---	8
9	---	---	0 B	0.496B	0	0	---	---	---	---	---	---	9
10	---	---	0 B	0.501B	0	0	---	---	---	---	---	---	10
11	---	---	0 B	0.499B	0	0	---	---	---	---	---	---	11
12	---	---	0 B	0.666B	0	0	---	---	---	---	---	---	12
13	---	---	0 B	0.747B	0	0	---	---	---	---	---	---	13
14	---	---	0 B	1.12	0	0	---	---	---	---	---	---	14
15	---	---	0 B	1.39	0	0	---	---	---	---	---	---	15
16	---	---	0 B	1.08	0	0	---	---	---	---	---	---	16
17	---	---	0 B	0.710	0	0	---	---	---	---	---	---	17
18	---	---	0 B	0.358	0	0	---	---	---	---	---	---	18
19	---	---	0 B	0.295	0	0	---	---	---	---	---	---	19
20	---	---	0 B	0.023	0	0	---	---	---	---	---	---	20
21	---	---	0 B	0.004	0	0	---	---	---	---	---	---	21
22	---	---	0 B	0.001	0	0	---	---	---	---	---	---	22
23	---	---	0 B	0	0	0	---	---	---	---	---	---	23
24	---	---	0 B	0	0	0	---	---	---	---	---	---	24
25	---	---	0 B	0	0	0	---	---	---	---	---	---	25
26	---	---	0 B	0	0	0	---	---	---	---	---	---	26
27	---	---	0 B	0	0	0	---	---	---	---	---	---	27
28	---	---	0 B	0	0	0	---	---	---	---	---	---	28
29	---		0 B	0	0	0	---	---	---	---	---	---	29
30	---		0.078B	0	0	0	---	---	---	---	---	---	30
31	---		0.462B		0		---	---		---		---	31
TOTAL	---	---	0.540	11.619	0	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.017	0.387	0	0	---	---	---	---	---	---	MEAN
MAX	---	---	0.462	1.29	0	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.100
MAXIMUM DAILY, 1.29 ON APR 15
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 16 09 N
LONG 101 01 14 W
DRAINAGE AREA, 360 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	96.7	SEP	---
APR	1 000	OCT	---
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 050 dam³

MORRIS RIVER NEAR ROSEMORT - STATION NO. 05OF020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.11B	0.864	0.596E	0.048E	0.020E	0E	0 E	---	---	1
2	---	---	0 B	2.06B	0.606	0.575E	0.071E	0.030E	0E	0 E	---	---	2
3	---	---	0 B	2.01B	0.391	0.575E	0.133E	0.039E	0E	0 E	---	---	3
4	---	---	0 B	1.95B	0.216	0.597E	0.125E	0.044E	0E	0 E	---	---	4
5	---	---	0 B	1.90B	0.160	0.570E	0.131E	0.038E	0E	0 E	---	---	5
6	---	---	0 B	1.85B	0.164	0.526E	0.131E	0.037E	0E	0 E	---	---	6
7	---	---	0 B	1.79B	0.208	0.526E	0.133E	0.022E	0E	0 E	---	---	7
8	---	---	0 B	1.74B	0.372	0.474E	0.107E	0.016E	0E	0 E	---	---	8
9	---	---	0 B	1.69B	0.559	0.477E	0.058E	0.005E	0E	0 E	---	---	9
10	---	---	0 B	1.64B	0.591	0.350E	0.006E	0.003E	0E	0.003E	---	---	10
11	---	---	0 B	3.42B	0.607	0.307E	0.011E	0 E	0E	0.022E	---	---	11
12	---	---	0 B	6.19B	0.585	0.324E	0.005E	0 E	0E	0.028E	---	---	12
13	---	---	0 B	10.2 B	0.593	0.338E	0.019E	0 E	0E	0.037E	---	---	13
14	---	---	0 B	13.6 B	0.580	0.421E	0.026E	0 E	0E	0.048E	---	---	14
15	---	---	0 B	15.8	0.557	0.349E	0.036E	0 E	0	0.048E	---	---	15
16	---	---	0 B	15.1	0.602	0.285E	0.055E	0 E	0E	0.037E	---	---	16
17	---	---	0 B	11.5	0.661	0.230E	0.063E	0 E	0E	0.038E	---	---	17
18	---	---	0 B	8.86	0.681	0.213E	0.057E	0 E	0E	0.041E	---	---	18
19	---	---	0 B	6.71	0.631	0.198E	0.069E	0 E	0E	0.031E	---	---	19
20	---	---	0 B	5.55	0.654	0.198E	0.062E	0 E	0E	0.030E	---	---	20
21	---	---	0 B	4.90	0.844	0.153E	0.055E	0 E	0E	0.033E	---	---	21
22	---	---	0 B	4.62	1.05	0.139E	0.041E	0 E	0E	0.031E	---	---	22
23	---	---	0 B	4.15	0.973	0.118E	0.037E	0 E	0E	0.026E	---	---	23
24	---	---	0 B	3.66	0.888	0.117E	0.034E	0 E	0E	0.035E	---	---	24
25	---	---	0 B	2.96	0.796	0.101E	0.026E	0 E	0E	0.033E	---	---	25
26	---	---	0 B	2.50	0.708	0.090E	0.023E	0 E	0E	0.031E	---	---	26
27	---	---	0 B	1.89	0.682	0.094E	0.016E	0 E	0E	0.038E	---	---	27
28	---	---	0.270B	1.38	0.675	0.073E	0.021E	0 E	0E	0.047E	---	---	28
29	---		2.37 B	1.18	0.655	0.055E	0.030E	0 E	0E	0.050E	---	---	29
30	---		2.34 B	1.06	0.689	0.057E	0.024E	0 E	0E	0.050E	---	---	30
31	---		2.25 B		0.650E		0.031E	0 E		0.050E		---	31
TOTAL	---	---	7.230	143.97	18.892	9.126	1.684	0.254	0	0.787	---	---	TOTAL
MEAN	---	---	0.233	4.80	0.609	0.304	0.054	0.008	0	0.025	---	---	MEAN
MAX	---	---	2.37	15.8	1.05	0.597	0.133	0.044	0	0.050	---	---	MAX
MIN	---	---	0	1.06	0.160	0.055	0.005	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.743
MAXIMUM DAILY, 15.8 ON APR 15
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
16.4 AT 21:20 CST ON APR 15

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 22 N
LONG 97 28 51 W
DRAINAGE AREA, 2 200 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	185
FEB	---	AUG	21.9
MAR	625	SEP	0
APR	12 400	OCT	68.0
MAY	1 630	NOV	---
JUN	788	DEC	---

TOTAL DISCHARGE, 15 700 dam³

MOSSY RIVER BELOW OUTLET OF DAUPHIN LAKE - STATION NO. 05LJ025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.16B	7.47B	7.09 B	0.420	15.8	14.2	5.39	1.72	0.420	0.159E	0.480	0.580B	1
2	7.96B	7.70B	7.13 B	0.394	15.8	10.8	6.65	1.44	0.356	0.192E	0.264	0.552B	2
3	8.91B	7.57B	7.20 B	0.427	15.7	4.90	5.45	1.05	0.477	0.208E	0.085B	0.605B	3
4	8.10B	7.43B	7.21 B	0.443	15.8	4.77	3.85	1.11	0.303	0.159E	0.136B	0.583B	4
5	7.82B	7.46B	7.19 B	0.449	16.0	6.74	3.36	1.32	0.386	0.149E	0.469B	0.580B	5
6	7.93B	7.41B	7.12 B	0.456	14.3	6.28	2.33	1.27	0.920	0.162E	0.531B	0.564B	6
7	7.58B	7.36B	7.06 B	0.456	11.9	1.41	1.57	0.748	0.518	0.155E	0.280B	0.604B	7
8	8.26B	7.22B	7.12 B	0.449	15.1	4.32	2.42	0.179	0.448	0.208E	0.363B	0.773B	8
9	7.68B	7.45B	7.32 B	0.452	15.1	4.10	2.67	0.583	0.400	0.230E	0.427B	0.944B	9
10	8.53B	7.40B	4.66 B	0.450	12.7	3.19	2.58	1.01	0.433	0.192E	0.417B	0.856B	10
11	8.34B	7.18B	2.27	0.473	16.0	2.55	2.48	1.73	0.296	0.188E	0.223B	0.941B	11
12	8.34B	7.10B	2.15	0.513	16.7	3.40	2.22	2.22	0.337	0.182E	0.198B	1.06 B	12
13	7.85B	7.09B	2.41	0.573	16.1	4.14	2.48	0.874	0.148	0.188E	0.364B	1.01 B	13
14	7.77B	7.32B	2.17	0.674	15.5	3.09	3.85	1.62	0.296E	0.195E	0.374B	1.06 B	14
15	8.57B	7.12B	2.17	0.756	15.0	4.02	2.85	1.18	0.340E	0.192E	0.375B	2.35 B	15
16	8.90B	7.21B	2.14	0.286	15.6	2.87	2.37	0.796	0.252E	0.188E	0.380B	8.60 B	16
17	8.44B	7.22B	2.21	0.249	14.9	2.39	2.52	0.993	0.230E	0.188E	0.374B	8.56 B	17
18	8.13B	7.24B	2.22	0.196	14.3	3.08	3.04	0.928	0.045E	0.185E	0.377B	8.60 B	18
19	7.82B	7.30B	2.26	0.165	15.2	2.83	3.08	0.636	0.296E	0.175E	0.382B	8.52 B	19
20	7.70B	7.25B	2.27	0.154	17.1	2.09	0.356	0.692	0.305E	0.110E	0.379B	8.49 B	20
21	7.63B	7.24B	2.29	0.186	16.7	3.07	0.238	0.816	0.318E	0.015E	0.403B	7.90 B	21
22	7.37B	6.82B	1.48	0.314	17.2	5.29	1.48	0.595	0.305E	0.605E	0.426B	7.23 B	22
23	7.89B	7.04B	0.402	3.80	17.8	4.13	0.794	0.655	0.110E	0.698E	0.438B	7.19 B	23
24	8.07B	7.05B	0.360	11.3	16.5	1.52	0.873	0.514	0.077E	0.490E	0.467B	7.14 B	24
25	7.89B	7.08B	0.350	11.6	16.9	3.22	0.828	0.453	0.175E	0.529E	0.518B	7.34 B	25
26	7.92B	7.01B	0.350	14.0	17.1	3.24	1.03	0.386	0.208E	0.698E	0.541B	7.13 B	26
27	7.85B	7.13B	0.368	15.5	14.9	2.74	0.966	0.355	0.274E	0.467A	0.584B	6.95 B	27
28	8.18B	7.12B	0.371	15.6	12.4	2.60	1.09	1.56	0.208E	0.250	0.569B	6.99 B	28
29	7.46B		0.385	15.9	13.9	2.66	0.751	0.478	0.142E	0.300	0.553B	7.05 B	29
30	7.70B		0.422	15.8	12.9	3.34	1.21	0.525	0.230E	0.352	0.549B	7.22 B	30
31	7.77B		0.486		10.5		0.955	0.851		0.457		7.17 B	31
TOTAL	248.12	202.99	98.634	112.435	471.4	122.98	71.331	29.287	9.253	8.466	11.926	135.102	TOTAL
MEAN	8.00	7.25	3.18	3.75	15.2	4.10	2.30	0.945	0.308	0.273	0.398	4.36	MEAN
MAX	8.91	7.70	7.32	15.9	17.8	14.2	6.65	2.22	0.920	0.698	0.584	8.60	MAX
MIN	7.37	6.82	0.350	0.154	10.5	1.41	0.238	0.179	0.045	0.015	0.085	0.540	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.17
MAXIMUM DAILY, 17.8 ON MAY 23
MINIMUM DAILY, 0.015E ON OCT 21
MAXIMUM INSTANTANEOUS,
20.4 AT 13:15 CST ON MAY 23

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 27 00 N
LONG 99 58 00 W
DRAINAGE AREA, 8 700 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	21 400	JUL	6 160
FEB	17 500	AUG	2 530
MAR	8 520	SEP	799
APR	9 710	OCT	731
MAY	40 700	NOV	1 030
JUN	10 600	DEC	11 700

TOTAL DISCHARGE, 131 000 dam³

NOWBRAY CREEK NEAR NOWBRAY - STATION NO. 05OB021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.023B	0.445	0.149	0	0.018	0	0.008	---	---	1
2	---	---	0 B	0.015B	0.449	0.143	0	0.015	0	0.009	---	---	2
3	---	---	0 B	0.014B	0.429	0.128	0	0.011	0	0.007	---	---	3
4	---	---	0 B	0.012B	0.332	0.107	0	0.006	0	0.004	---	---	4
5	---	---	0 B	0.011B	0.232	0.302	0.153	0.001	0	0.002	---	---	5
6	---	---	0 B	0.009B	0.185	1.48	0.711	0.039	0	0.022	---	---	6
7	---	---	0 B	0.008B	0.173	0.661	0.381	0.021	0	0.038	---	---	7
8	---	---	0 B	0.007B	0.155	0.209	0.190	0.009	0	0.043	---	---	8
9	---	---	0 B	0.007B	0.163	0.246	0.111	0.007	0	0.042	---	---	9
10	---	---	0 B	0.008B	0.196	0.243	0.085	0.002	0	0.093	---	---	10
11	---	---	0 B	0.082B	0.190	0.130	0.086	0	0	0.147	---	---	11
12	---	---	0 B	2.89 B	0.158	0.079	0.123	0	0	0.144	---	---	12
13	---	---	0 B	3.77 B	0.142	0.058	0.115	0	0	0.190	---	---	13
14	---	---	0.004B	7.12 B	0.140	0.042	0.097	0	0	0.183	---	---	14
15	---	---	0.012B	4.42	0.137	0.034	0.092	0	0	0.204	---	---	15
16	---	---	0.051B	2.39	0.137	0.035	0.082	0	0	0.172	---	---	16
17	---	---	0.027B	1.73	0.142	0.039	0.072	0	0	0.137	---	---	17
18	---	---	0.015B	1.22	0.144	0.038	0.060	0	0	0.106	---	---	18
19	---	---	0.011B	0.796	0.139	0.034	0.054	0	0	0.088	---	---	19
20	---	---	0.009B	0.595	0.122	0.028	0.048	0	0	0.078	---	---	20
21	---	---	0.007B	0.615	0.104	0.022	0.039	0	0	0.065	---	---	21
22	---	---	0.006B	0.576	0.089	0.016	0.031	0	0	0.056	---	---	22
23	---	---	0.006B	0.441	0.078	0.014	0.026	0	0	0.055	---	---	23
24	---	---	0.006B	0.325	0.073	0.009	0.130	0	0	0.051	---	---	24
25	---	---	0.006B	0.158	0.069	0.085	0.305	0	0	0.044	---	---	25
26	---	---	0.019B	0.111	0.067	0.001	0.188	0	0	0.043	---	---	26
27	---	---	0.071B	0.135	0.067	0	0.111	0	0	0.042	---	---	27
28	---	---	0.186B	0.323	0.058	0	0.063	0	0	0.044	---	---	28
29	---		0.262B	0.324	0.056	0	0.046	0	0.002	0.047	---	---	29
30	---		0.215B	0.291	0.108	0	0.033	0	0.008	0.041	---	---	30
31	---		0.063B		0.161		0.025	0		0.034		---	31
TOTAL	---	---	0.994	28.826	5.136	4.248	3.457	0.129	0.010	2.239	---	---	TOTAL
MEAN	---	---	0.032	0.960	0.166	0.142	0.112	0.004	0	0.072	---	---	MEAN
MAX	---	---	0.262	7.12	0.449	1.48	0.711	0.039	0.008	0.204	---	---	MAX
MIN	---	---	0	0.007	0.056	0	0	0	0	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.102
MAXIMUM DAILY, 7.12B ON APR 14
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
9.90B AT 16:28 CST ON APR 14

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 00 N
LONG 98 27 15 W
DRAINAGE AREA, 263 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	299
FEB	---	AUG	11.1
MAR	85.9	SEP	0.86
APR	2 460	OCT	193
MAY	446	NOV	---
JUN	367	DEC	---

TOTAL DISCHARGE, 3 860 dam³

NEEPAWA CREEK NEAR NEEPAWA - STATION NO. 05LL009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.886B	0.173	0.095	0.021	0.031	0.015	0.038E	---	---	1
2	---	---	0 B	0.855B	0.170	0.079	0.021	0.031	0.024	0.042E	---	---	2
3	---	---	0 B	0.829B	0.155	0.068	0.023	0.035	0.024	0.051E	---	---	3
4	---	---	0 B	0.811B	0.136	0.064	0.024	0.030	0.014	0.058A	---	---	4
5	---	---	0 B	0.811B	0.134	0.068	0.019	0.019	0.009	0.077	---	---	5
6	---	---	0 B	0.807B	0.138	0.096	0.016	0.016	0.008	0.088	---	---	6
7	---	---	0 B	0.807B	0.132	0.155	0.014	0.025	0.010	0.085	---	---	7
8	---	---	0 B	0.811B	0.122	0.203	0.012	0.023	0.011	0.067	---	---	8
9	---	---	0 B	0.811B	0.112	0.110	0.013	0.017	0.008	0.073	---	---	9
10	---	---	0 B	0.815B	0.136	0.084	0.014	0.013	0.004	0.088	---	---	10
11	---	---	0 B	1.71 B	0.149	0.072	0.015	0.010	0.001	0.085	---	---	11
12	---	---	0 B	3.15 B	0.142	0.062	0.016	0.008	0	0.086	---	---	12
13	---	---	0 B	4.18 B	0.142	0.055	0.018	0.009	0	0.084	---	---	13
14	---	---	0 B	5.34 B	0.137	0.062	0.032	0.007	0	0.105	---	---	14
15	---	---	0 B	7.78 B	0.138	0.050	0.031	0.006	0.002	0.120	---	---	15
16	---	---	0 B	6.07 B	0.158	0.046	0.141	0.004	0.008	0.108	---	---	16
17	---	---	0 B	4.97 B	0.189	0.043	0.329	0.002	0.017	0.135	---	---	17
18	---	---	0 B	4.07 B	0.190	0.042	0.178	0.012	0.048	0.121	---	---	18
19	---	---	0 B	3.23 B	0.177	0.046	0.110	0.017	0.029	0.089	---	---	19
20	---	---	0 B	2.32 B	0.172	0.054	0.086	0.016	0.027	0.080	---	---	20
21	---	---	0 B	1.66	0.151	0.053	0.145	0.009	0.025	0.067	---	---	21
22	---	---	0 B	1.38	0.127	0.054	0.189	0.011	0.026	0.061	---	---	22
23	---	---	0 B	1.10	0.117	0.064	0.182	0.018	0.030	0.059	---	---	23
24	---	---	0 B	0.891	0.115	0.058	0.126	0.029	0.026	0.067	---	---	24
25	---	---	0 B	0.712	0.111	0.044	0.078	0.022	0.033	0.055	---	---	25
26	---	---	0 B	0.559	0.103	0.039	0.047	0.017	0.042	0.047	---	---	26
27	---	---	0 B	0.441	0.097	0.035	0.054	0.014	0.039	0.041	---	---	27
28	---	---	0.802B	0.337	0.095	0.030	0.066	0.011	0.033A	0.050	---	---	28
29	---		0.980B	0.260	0.091	0.026	0.125	0.017	0.031E	0.072	---	---	29
30	---		0.954B	0.212	0.093	0.023	0.077	0.019	0.034E	0.063	---	---	30
31	---		0.923B		0.086		0.043	0.013		0.057E		---	31
TOTAL	---	---	3.659	59.415	4.182	1.980	2.265	0.511	0.578	2.320	---	---	TOTAL
MEAN	---	---	0.118	1.98	0.135	0.066	0.073	0.016	0.019	0.075	---	---	MEAN
MAX	---	---	0.980	7.78	0.190	0.203	0.329	0.035	0.048	0.135	---	---	MAX
MIN	---	---	0	0.212	0.086	0.023	0.012	0.002	0	0.039	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.306
MAXIMUM DAILY, 7.78B ON APR 15
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
8.42B AT 21:35 CST ON APR 15

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 13 58 N
LONG 99 34 00 W
DRAINAGE AREA, 165 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	196
FEB	---	AUG	44.2
MAR	316	SEP	49.9
APR	5 130	OCT	200
MAY	361	NOV	---
JUN	171	DEC	---

TOTAL DISCHARGE, 6 478 dam³

NEEPAWA RESERVOIR NEAR NEEPAWA STATION NO. 05LL010

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	358.962	358.849	358.798	358.944	359.102	359.054	359.025	359.093	358.913	358.822	359.076	359.035	1
2	358.960	358.847	358.799	358.977	359.095	359.055	359.018	359.084	358.913	358.840	359.077	359.047	2
3	358.958	358.845	358.798	358.990	359.092	359.053	359.013	359.078	358.905	358.855	359.076	359.051	3
4	358.954	358.842	358.797	358.993	359.083	359.060	359.005	359.067	358.893	358.868	359.074	359.052	4
5	358.951	358.839	358.796	359.000	359.076	359.060	359.004	359.063	358.884	358.879	359.073	359.053	5
6	358.951	358.836	358.796	359.010	359.072	359.065	358.996	359.060	358.878	358.887	359.072	359.052	6
7	358.947	358.832	358.798	359.029	359.072	359.080	358.983	359.049	358.870	358.896	359.069	359.052	7
8	358.943	358.830	358.793	359.051	359.073	359.087	358.980	359.041	358.871	358.904	359.069	359.051	8
9	358.940	358.827	358.798	359.070	359.073	359.089	358.977	359.037	358.869	358.918	359.069	359.052	9
10	358.936	358.824	358.800	359.078	359.078	359.086	358.969	359.034	358.863	358.938	359.070	359.050	10
11	358.931	358.820	358.799	359.084	359.089	359.083	358.964	359.031	358.849	358.965	359.073	359.045	11
12	358.927	358.816	358.798	359.109	359.094	359.077	358.958	359.023	358.843	358.986	359.071	359.042	12
13	358.925	358.814	358.798	359.143	359.095	359.074	358.955	359.018	358.827	359.002	359.069	359.042	13
14	358.921	358.812	358.795	359.175	359.094	359.075	358.953	359.010	358.816	359.016	359.066	359.041	14
15	358.916	358.810	358.795	359.211	359.097	359.073	358.950	359.006	358.810	359.025	359.062	359.038	15
16	358.912	358.807	358.796	359.228	359.104	359.063	358.997	359.000	358.801	359.039	359.061	359.034	16
17	358.909	358.806	358.805	359.247	359.114	359.057	359.083	358.989	358.789	359.051	359.061	359.029	17
18	358.904	358.804	358.807	359.298	359.121	359.054	359.152	358.995	358.780	359.054	359.060	359.028	18
19	358.900	358.802	358.808	359.301	359.122	359.047	359.185	358.993	358.769	359.055	359.063	359.027	19
20	358.894	358.798	358.807	359.278	359.117	359.048	359.207	358.990	358.763	359.056	359.060	359.023	20
21	358.890	358.798	358.808	359.253	359.110	359.048	359.222	358.984	358.755	359.057	359.060	359.021	21
22	358.887	358.798	358.808	359.229	359.102	359.049	359.219	358.983	358.748	359.059	359.060	359.020	22
23	358.884	358.798	358.812	359.204	359.095	359.050	359.197	358.986	358.738	359.058	359.058	359.020	23
24	358.880	358.798	358.819	359.190	359.086	359.048	359.174	358.982	358.733	359.059	359.052	359.019	24
25	358.876	358.797	358.821	359.176	359.083	359.046	359.151	358.976	358.726	359.060	359.050	359.018	25
26	358.869	358.797	358.823	359.162	359.079	359.045	359.132	358.967	358.716	359.061	359.046	359.016	26
27	358.865	358.797	358.828	359.145	359.078	359.042	359.123	358.957	358.707	359.062	359.043	359.013	27
28	358.860	358.798	358.833	359.133	359.073	359.041	359.111	358.950	358.739	359.068	359.042	359.013	28
29	358.858		358.851	359.123	359.068	359.039	359.104	358.938	358.767	359.074	359.039	359.011	29
30	358.857		358.882	359.106	359.063	359.034	359.103	358.932	358.793	359.076	359.036	359.010	30
31	358.852		358.919		359.056		359.100	358.922		359.076		359.008	31
MEAN	358.910	358.816	358.812	359.131	359.089	359.059	359.065	359.008	358.811	358.992	359.062	359.033	MEAN
MAX	358.962	358.849	358.919	359.301	359.122	359.089	359.222	359.093	358.913	359.076	359.077	359.053	MAX
MIN	358.852	358.797	358.793	358.944	359.056	359.034	358.950	358.922	358.707	358.822	359.036	359.008	MIN

WATER LEVELS IN METRES

MEAN, 358.883
MAXIMUM DAILY, 359.301 ON APR 19
MINIMUM DAILY, 358.787 ON SEP 27
MAXIMUM INSTANTANEOUS,
359.305 AT 03:09 CST ON APR 19

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 12 48 N
LONG 99 26 38 W

REGULATED SINCE 1960

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NELSON RIVER (EAST CHANNEL) BELOW SEA RIVER FALLS - STATION NO. 05UB008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	139B	128B	124B	122B	333	397	523	652	524	405	372	231B	1
2	138B	128B	124B	122B	335	435	516	662	510	433	364	229B	2
3	138B	128B	124B	122B	344	483	524	627	518	403	311	228B	3
4	137B	127B	123B	122B	348	488	565	617	507	388	301	226B	4
5	137B	127B	123B	122B	364	511	541	609	473	361	319	224B	5
6	136B	127B	123B	122B	369	505	511	613	505	379	345	223B	6
7	136B	127B	123B	122B	347	464	510	614	505	388	346	221B	7
8	135B	127B	123B	122B	338	437	524	719	546	406	326	220B	8
9	135B	127B	123B	122B	353	470	539	735	522	402	376	219B	9
10	135B	126B	123B	122B	362	473	557	686	501	329	413	217B	10
11	134B	126B	123B	122B	373	472	557	634	528	316	333	216B	11
12	134B	126B	123B	122B	388	471	534	620	525	368	293	215B	12
13	134B	126B	123B	123B	399	479	574	643	484	396	285	214B	13
14	133B	126B	123B	123B	403	472	538	615	450	385	278	213B	14
15	133B	126B	122B	123B	365	498	552	624	501	332	276	212B	15
16	133B	126B	122B	123B	378	465	556	568	497	323	272	210B	16
17	132B	126B	122B	123B	399	472	491	571	460	339	268	210B	17
18	132B	125B	122B	123B	389	493	522	592	452	327	264	209B	18
19	132B	125B	122B	123B	373	504	563	552	367	350	261	208B	19
20	131B	125B	122B	126B	417A	480	609	561	414	366	258	207B	20
21	131B	125B	122B	158B	423A	483	558	558	453	377	255	206B	21
22	131B	125B	122B	195B	431	498	562	539	460	372	252	206B	22
23	131B	125B	122B	230B	444	533	591	537	397	386	250B	205B	23
24	131B	125B	122B	251B	459	477	599	518	404	408	247B	204B	24
25	130B	125B	122B	272B	468	491	557	501	470	395	244B	204B	25
26	130B	124B	122B	295	480	520	557	491	423	412	242B	203B	26
27	130B	124B	122B	305	411	509	571	442	361	417	239B	203B	27
28	130B	124B	122B	315	387	474	581	473	327	395	237B	202B	28
29	129B		122B	331	320	492	565	513	387	373	235B	201B	29
30	129B		122B	339	351	512	585	492	407	371	233B	201B	30
31	129B		122B		384		644	504		385		200B	31
TOTAL	4 135	3 526	3 799	5 142	11 921	14 891	17 116	18 062	13 878	11 631	8 675	6 587	TOTAL
MEAN	133	126	123	171	385	483	552	583	463	375	289	212	MEAN
MAX	139	128	124	339	488	585	644	735	546	433	413	231	MAX
MIN	129	124	122	122	320	397	491	442	327	316	233	200	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 326
MAXIMUM DAILY, 735 ON AUG 9
MINIMUM DAILY, 122B ON MAR 15
MAXIMUM INSTANTANEOUS,
783 AT 19:30 CST ON AUG 8

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 14 39 N
LONG 97 35 27 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	356 000	JUL	1 488 000
FEB	305 000	AUG	1 560 000
MAR	328 000	SEP	1 200 000
APR	444 000	OCT	1 000 000
MAY	1 030 000	NOV	750 000
JUN	1 250 000	DEC	569 000

TOTAL DISCHARGE, 10 300 000 dam³

NELSON RIVER (WEST CHANNEL) AT JENPEG - STATION NO. 05UB009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 770	1 590	1 460	1 310	1 290	750	745	971	1 450	2 100	2 290	2 100	1
2	1 770	1 570	1 460	1 310	1 310	753	748	985	1 440	2 080	2 290	2 090	2
3	1 760	1 590	1 460	1 300	1 300	748	753	988	1 440	2 100	2 290	2 060	3
4	1 750	1 590	1 460	1 300	1 290	756	753	977	1 440	2 080	2 290	2 090	4
5	1 770	1 560	1 440	1 290	1 290	742	756	983	1 440	2 070	2 290	2 100	5
6	1 750	1 560	1 470	1 290	1 270	765	773	980	1 550	2 070	2 300	2 060	6
7	1 740	1 560	1 440	1 300	1 290	759	765	985	1 600	2 080	2 300	1 980	7
8	1 770	1 560	1 460	1 310	1 210	756	773	1 000	1 610	2 080	2 310	1 910	8
9	1 740	1 580	1 440	1 310	1 100	750	773	1 000	1 660	2 080	2 300	1 950	9
10	1 710	1 550	1 450	1 300	1 140	753	776	997	1 810	2 080	2 330	1 900	10
11	1 690	1 550	1 450	1 300	1 180	759	776	1 020	1 880	2 070	2 190	1 930	11
12	1 670	1 530	1 430	1 310	1 130	750	773	988	1 830	2 190	2 090	1 960	12
13	1 670	1 530	1 420	1 310	1 130	750	758	949	1 910	2 310	2 160	1 960	13
14	1 670	1 510	1 430	1 310	1 110	748	756	994	1 980	2 300	2 160	2 010	14
15	1 670	1 520	1 420	1 320	1 050	748	753	983	1 990	2 290	2 170	2 090	15
16	1 650	1 530	1 410	1 300	1 040	756	745	1 020	1 990	2 280	2 160	2 090	16
17	1 660	1 490	1 410	1 310	1 050	753	756	1 010	1 980	2 300	2 150	2 060	17
18	1 650	1 490	1 420	1 300	966	753	748	1 000	1 980	2 300	2 160	2 060	18
19	1 640	1 500	1 380	1 320	900	750	745	1 170	1 990	2 290	2 120	2 070	19
20	1 650	1 480	1 390	1 310	883	753	864	1 170	2 050	2 310	2 110	2 080	20
21	1 650	1 490	1 420	1 310	872	750	997	1 170	2 090	2 310	2 070	2 090	21
22	1 660	1 500	1 400	1 300	881	748	1 010	1 170	2 110	2 310	2 030	2 090	22
23	1 650	1 460	1 380	1 310	886	748	1 010	1 270	2 120	2 300	1 980	2 080	23
24	1 650	1 490	1 360	1 300	907	753	1 020	1 300	2 090	2 290	1 960	2 080	24
25	1 630	1 480	1 360	1 310	756	756	1 010	1 300	2 080	2 300	1 860	2 030	25
26	1 580	1 480	1 360	1 300	753	753	1 010	1 300	2 050	2 310	1 880	2 080	26
27	1 600	1 470	1 360	1 300	733	750	1 010	1 300	2 050	2 310	1 870	2 040	27
28	1 610	1 440	1 350	1 300	759	745	1 000	1 300	2 100	2 290	1 910	2 020	28
29	1 590		1 310	1 290	753	750	1 010	1 300	2 090	2 280	2 000	2 020	29
30	1 590		1 310	1 300	753	745	1 000	1 290	2 100	2 290	2 040	2 000	30
31	1 600		1 310		753		983	1 480		2 290		1 990	31
TOTAL	51 960	42 650	43 620	39 130	31 625	22 559	36 353	38 092	55 810	68 780	64 050	62 940	TOTAL
MEAN	1 680	1 520	1 410	1 300	1 020	752	1 050	1 110	1 860	2 220	2 140	2 030	MEAN
MAX	1 770	1 590	1 470	1 320	1 310	765	1 020	1 480	2 120	2 310	2 320	2 100	MAX
MIN	1 580	1 440	1 310	1 290	733	742	745	949	1 440	2 070	1 860	1 980	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 490
MAXIMUM DAILY, 2 320 ON NOV 10
MINIMUM DAILY, 733 ON MAY 27

DATA CONTRIBUTED BY -
MANITOBA HYDRO

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 54 29 53 N
LONG 98 02 53 W

REGULATED SINCE 1975

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 690 000	JUL	3 300 000
FEB	3 680 000	AUG	3 980 000
MAR	3 770 000	SEP	4 820 000
APR	3 380 000	OCT	5 940 000
MAY	2 730 000	NOV	5 520 000
JUN	1 950 000	DEC	5 440 000

TOTAL DISCHARGE, 47 000 000 dam³

NELSON RIVER ABOVE BLADDER RAPIDS - STATION NO. 05UD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2 070B	1 860B	1 720B	1 550B	1 930	1 420	1 390	1 660	1 980	2 660	3 020	2 770	1
2	2 060B	1 860B	1 720B	1 550B	1 940	1 390	1 410	1 660	1 950	2 660	3 050	2 770	2
3	2 060B	1 850B	1 710B	1 540B	1 950	1 380	1 430	1 680	1 970	2 690	3 050	2 770	3
4	2 050B	1 850B	1 710B	1 540B	1 960	1 390	1 430	1 690	1 970	2 750	3 040	2 770	4
5	2 040B	1 840B	1 700B	1 540B	1 970	1 420	1 420	1 680	1 980	2 730	3 050	2 780	5
6	2 040B	1 840B	1 700B	1 580B	1 960	1 410	1 440	1 680	2 010	2 680	3 040	2 780	6
7	2 030B	1 830B	1 690B	1 540B	1 970	1 430	1 440	1 680	2 040	2 700	3 040	2 770	7
8	2 020B	1 830B	1 690B	1 530B	1 960	1 440	1 420	1 700	2 060	2 690	3 050	2 760	8
9	2 010B	1 820B	1 680B	1 530B	1 940	1 420	1 420	1 690	2 120	2 680	3 050	2 730	9
10	2 010B	1 810B	1 680B	1 530B	1 910	1 410	1 420	1 650	2 190	2 700	3 040	2 710	10
11	2 000B	1 810B	1 680B	1 530B	1 890	1 420	1 440	1 600	2 260	2 710	3 060	2 690	11
12	1 990B	1 800B	1 670B	1 530B	1 860	1 410	1 450	1 650	2 280	2 670	3 070	2 670	12
13	1 980B	1 800B	1 670B	1 530B	1 850	1 420	1 450	1 650	2 350	2 700	3 070	2 670	13
14	1 970B	1 790B	1 660B	1 530B	1 850	1 410	1 440	1 680	2 380	2 750	3 040	2 670	14
15	1 960B	1 790B	1 660B	1 530B	1 840	1 400	1 430	1 710	2 370	2 800	3 040	2 680	15
16	1 960B	1 780B	1 650B	1 530B	1 820	1 410	1 440	1 720	2 410	2 820	3 030	2 690	16
17	1 950B	1 780B	1 650B	1 530B	1 780	1 410	1 450	1 720	2 470	2 880	3 030	2 720	17
18	1 940B	1 770B	1 640B	1 530B	1 770	1 390	1 450	1 730	2 490	2 930	3 020	2 730B	18
19	1 940B	1 770B	1 640B	1 530B	1 760	1 390	1 430	1 750	2 520	2 880	3 000	2 710B	19
20	1 930B	1 760B	1 630B	1 530B	1 700A	1 410	1 430	1 770	2 520	2 870	2 990	2 710B	20
21	1 920B	1 760B	1 630B	1 540B	1 650A	1 410	1 480	1 780	2 550	2 890	2 970	2 730B	21
22	1 920B	1 750B	1 620B	1 580B	1 630	1 400	1 530	1 780	2 600	2 940	2 960	2 730B	22
23	1 920B	1 750B	1 620B	1 660B	1 610	1 400	1 560	1 790	2 660	2 970	2 960	2 730B	23
24	1 910B	1 750B	1 610B	1 730B	1 580	1 410	1 570	1 810	2 660	2 950	2 950	2 740B	24
25	1 910B	1 740B	1 600B	1 800B	1 540	1 400	1 590	1 820	2 640	2 970	2 940	2 750B	25
26	1 900B	1 740B	1 600B	1 840B	1 550	1 380	1 620	1 820	2 680	2 980	2 910	2 750B	26
27	1 890B	1 730B	1 590B	1 870B	1 540	1 390	1 630	1 830	2 710	3 000	2 870	2 750B	27
28	1 890B	1 730B	1 590B	1 890	1 550	1 400	1 640	1 840	2 740	3 010	2 830	2 760B	28
29	1 880B		1 580B	1 900	1 510	1 400	1 650	1 850	2 810	3 030	2 800	2 750B	29
30	1 880B		1 570B	1 920	1 500	1 400	1 650	1 870	2 780	3 000	2 780	2 740B	30
31	1 870B		1 560B		1 480		1 660	1 910		2 970		2 730B	31
TOTAL	60 900	50 190	51 120	48 420	54 730	42 170	46 210	53 890	71 040	87 660	89 750	84 660	TOTAL
MEAN	1 960	1 790	1 650	1 610	1 770	1 410	1 490	1 740	2 370	2 830	2 990	2 730	MEAN
MAX	2 070	1 860	1 720	1 920	1 970	1 440	1 660	1 910	2 810	3 030	3 070	2 780	MAX
MIN	1 870	1 730	1 560	1 530	1 460	1 380	1 390	1 640	1 940	2 660	2 780	2 670	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2 030
MAXIMUM DAILY, 3 070 ON NOV 12
MINIMUM DAILY, 1 380 ON JUN 3
MAXIMUM INSTANTANEOUS,
3 110 AT 19:10 CST ON NOV 11

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 46 30 N
LONG 97 55 50 W
DRAINAGE AREA, 1 080 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 260 000	JUL	3 990 000
FEB	4 340 000	AUG	4 660 000
MAR	4 420 000	SEP	6 180 000
APR	4 180 000	OCT	7 570 000
MAY	4 730 000	NOV	7 750 000
JUN	3 640 000	DEC	7 310 000

TOTAL DISCHARGE, 64 000 000 dam³

NELSON RIVER AT KELSEY GENERATING STATION - STATION NO. 05UE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 860	1 850	1 790	1 650	1 700	1 580	1 890	1 610	1 480	2 100	2 510	2 360	1
2	1 860	1 880	1 770	1 650	1 760	1 550	1 280	1 610	1 450	2 290	2 500	2 390	2
3	1 860	1 860	1 790	1 650	1 850	1 550	1 180	1 610	1 610	2 290	2 530	2 390	3
4	1 860	1 850	1 790	1 650	1 940	1 630	1 350	1 610	1 610	2 270	2 530	2 390	4
5	1 810	1 850	1 790	1 650	2 090	1 620	1 330	1 610	1 610	2 280	2 590	2 390	5
6	1 800	1 850	1 780	1 650	2 120	1 620	1 350	1 610	1 610	2 290	2 610	2 350	6
7	1 830	1 850	1 760	1 640	2 090	1 620	1 610	1 610	1 610	2 290	2 630	2 330	7
8	1 830	1 830	1 760	1 650	2 110	1 610	1 610	1 610	1 610	2 290	2 660	2 380	8
9	1 830	1 820	1 760	1 650	2 110	1 620	1 590	1 510	1 750	2 290	2 670	2 380	9
10	1 830	1 820	1 720	1 650	2 080	1 610	1 360	1 490	1 830	2 290	2 690	2 390	10
11	1 830	1 820	1 720	1 640	2 060	1 610	1 470	1 510	1 830	2 280	2 670	2 360	11
12	1 820	1 820	1 700	1 650	2 080	1 460	1 500	1 610	1 820	2 290	2 650	2 340	12
13	1 810	1 820	1 730	1 650	2 100	1 390	1 610	1 610	1 830	2 280	2 620	2 330	13
14	1 800	1 820	1 700	1 550	2 000	1 410	1 490	1 610	1 970	2 290	2 530	2 310	14
15	1 810	1 810	1 670	1 610	1 980	1 420	1 390	1 610	2 160	2 280	2 350	2 270	15
16	1 820	1 810	1 620	1 650	1 990	1 410	1 480	1 440	2 140	2 290	2 270	2 250	16
17	1 850	1 710	1 630	1 640	1 970	1 370	1 450	1 390	2 130	2 280	2 260	2 250	17
18	1 850	1 760	1 650	1 640	1 920	1 560	1 560	1 390	2 130	2 290	2 230	2 250	18
19	1 850	1 750	1 650	1 640	1 890	1 480	1 610	1 390	2 130	2 290	2 200	2 270	19
20	1 850	1 750	1 650	1 640	1 880	1 460	1 610	1 390	2 130	2 290	2 210	2 280	20
21	1 850	1 750	1 650	1 640	1 880	1 410	1 590	1 380	2 130	2 360	2 240	2 260	21
22	1 850	1 750	1 650	1 640	1 880	1 390	1 610	1 390	2 130	2 410	2 270	2 280	22
23	1 840	1 750	1 570	1 640	1 890	1 360	1 610	1 390	2 130	2 410	2 280	2 260	23
24	1 850	1 770	1 650	1 630	1 880	1 180	1 610	1 390	1 950	2 340	2 310	2 250	24
25	1 850	1 790	1 620	1 530	1 830	1 290	1 610	1 390	1 790	2 400	2 380	2 350	25
26	1 850	1 790	1 650	1 410	1 720	1 350	1 610	1 400	1 800	2 350	2 350	2 280	26
27	1 850	1 790	1 650	1 620	1 590	1 370	1 610	1 400	1 860	2 430	2 350	2 320	27
28	1 870	1 790	1 650	1 620	1 630	1 360	1 610	1 400	1 860	2 400	2 350	2 320	28
29	1 880		1 650	1 580	1 630	1 360	1 610	1 400	1 850	2 450	2 380	2 320	29
30	1 880		1 650	1 650	1 570	1 340	1 460	1 400	1 860	2 490	2 380	2 320	30
31	1 880		1 650		1 570		1 580	1 400		2 510		2 330	31
TOTAL	57 060	50 510	52 450	48 310	58 730	43 730	46 410	46 170	55 730	72 090	73 080	71 370	TOTAL
MEAN	1 840	1 800	1 690	1 610	1 890	1 460	1 500	1 490	1 860	2 330	2 440	2 300	MEAN
MAX	1 880	1 880	1 790	1 650	2 120	1 630	1 610	1 610	2 160	2 510	2 690	2 390	MAX
MIN	1 800	1 710	1 570	1 410	1 570	1 180	1 090	1 380	1 480	2 100	2 350	2 230	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 650
MAXIMUM DAILY, 2 690 ON NOV 10
MINIMUM DAILY, 1 090 ON JUL 1

DATA CONTRIBUTED BY -
MANITOBA HYDRO

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 56 02 30 N
LONG 96 31 30 W
DRAINAGE AREA, 1 010 000 km²

REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 930 000	JUL	4 010 000
FEB	4 360 000	AUG	3 980 000
MAR	4 530 000	SEP	4 610 000
APR	4 170 000	OCT	6 220 000
MAY	5 070 000	NOV	6 310 000
JUN	3 780 000	DEC	6 160 000

TOTAL DISCHARGE, 58 400 000 dam³

NELSON RIVER AT NORWAY HOUSE - STATION NO. 05UB001

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	216.835	---	216.858	216.879	217.133	217.382	217.572	217.865	217.575	217.308	217.224	216.957	1
2	216.819	---	216.848	216.860	217.148	217.371	217.558	217.885	217.582	217.365	217.159	216.962	2
3	216.809	---	216.850	216.866	217.160	217.481	217.575	217.889	217.582	217.396	217.083	216.957	3
4	216.810	---	216.855	216.866	217.170	217.491	217.668	217.785	217.535	217.168	217.058	216.958	4
5	216.811	---	216.861	216.881	217.207	217.545	217.613	217.768	217.458	217.199	217.102	216.961	5
6	216.818	---	216.861	216.891	217.217	217.624	217.584	217.778	217.532	217.240	217.162	216.967	6
7	216.816	---	216.854	216.905	217.167	217.436	217.584	217.778	217.622	217.262	217.165	216.971	7
8	216.820	---	216.853	216.918	217.186	217.378	217.576	218.017	217.626	217.303	217.118	216.973	8
9	216.833	---	216.856	216.922	217.182	217.448	217.609	218.054	217.570	217.295	217.233	216.988	9
10	216.824	---	216.863	216.914	217.201	217.457	217.651	217.948	217.522	217.124	217.318	216.973	10
11	216.820	216.846A	216.861	216.918	217.228	217.458	217.650	217.823	217.585	217.094	217.134	216.989	11
12	216.815	216.851	216.859	216.914	217.262	217.452	217.598	217.783	217.577	217.215	216.920	217.000	12
13	216.811	216.855	216.863	216.914	217.287	217.471	217.553	217.843	217.398	217.281	216.995	216.996	13
14	216.814	216.858	216.866	216.926	217.295	217.455	217.608	217.781	217.405	217.256	217.031	216.988	14
15	216.817	216.855	216.860	216.927	217.289	217.496	217.640	217.882	217.521	217.131	217.053	216.990	15
16	216.819	216.846	216.854	216.922	217.220	217.448	217.648	217.676	217.512	217.110	217.037	217.007	16
17	216.819	216.846	216.839	216.931	217.288	217.455	217.498	217.681	217.626	217.147	217.004	217.017	17
18	216.817	216.852	216.839	216.940	217.253	217.504	217.571	217.728	217.409	217.119	217.049	217.028	18
19	216.812	216.855	216.854	216.941	217.224	217.530	217.664	217.638	217.213	217.174	216.995	217.010	19
20	216.813	216.855	216.862	216.958	217.329A	217.474	217.767	217.615	217.321	217.210	216.916	216.998	20
21	216.817	216.851	216.871	216.974	217.383A	217.479	217.652	217.653	217.412	217.237	216.804	216.991	21
22	216.817	216.850	216.870	216.994	217.361	217.516	217.663	217.609	217.427	217.224	216.827	216.979	22
23	216.816	216.847	216.872	217.000	217.398	217.597	217.727	217.605	217.282	217.258	216.862	216.974	23
24	216.810	216.842	216.863	217.007	217.425	217.486	217.765	217.661	217.299	217.289	216.889	216.982	24
25	216.813	216.838	216.859	217.022	217.445	217.500	217.651	217.522	217.451	217.278	216.894	216.988	25
26	216.814A	216.835	216.857	217.045	217.474	217.566	217.651	217.500	217.383	217.316	216.909	216.979	26
27	---	216.838	216.862	217.068	217.314	217.561	217.681	217.385	217.198	217.328	216.922	216.967	27
28	---	216.842	216.876	217.093	217.259	217.459	217.704	217.458	217.120	217.277	216.933	216.983	28
29	---		216.871	217.139	217.103	217.502	217.669	217.550	217.259	217.227	216.939	216.965	29
30	---		216.878	217.167	217.177	217.548	217.713	217.501	217.306	217.222	216.947	216.969	30
31	---		216.883		217.252		217.847	217.529		217.254		216.972	31
MEAN	---	---	216.860	216.955	217.254	217.481	217.639	217.707	217.433	217.232	217.023	216.981	MEAN
MAX	---	---	216.883	217.167	217.474	217.624	217.847	218.054	217.626	217.365	217.318	217.020	MAX
MIN	---	---	216.839	216.846	217.103	217.382	217.498	217.385	217.120	217.094	216.804	216.957	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

A - MANUAL GAUGE

MAXIMUM DAILY, 218.054 ON AUG 9
MINIMUM DAILY, 216.804 ON NOV 21
MAXIMUM INSTANTANEOUS,
218.118 AT 19:30 CST ON AUG 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 00 00 N
LONG 97 48 00 W

REGULATED SINCE 1973

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NELSON RIVER AT WARREN LANDING - STATION NO. 05UB003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	217.648	217.681	217.771	---	217.641	217.428	217.345	1
2	---	---	---	---	---	217.516	217.710	217.757	---	217.588	217.346	217.324	2
3	---	---	---	---	---	217.592	217.728	217.783	---	217.533	217.297	217.335	3
4	---	---	---	---	---	217.552	217.788	217.786	---	217.539	217.356	217.338	4
5	---	---	---	---	---	217.645	217.734	217.814	---	217.528	217.427	217.344	5
6	---	---	---	---	---	217.628	217.662	217.790	---	217.536	217.486	217.352	6
7	---	---	---	217.232A	---	217.377	217.661	217.774	---	217.528	217.356	217.357	7
8	---	---	---	---	---	217.511	217.698	217.682	---	217.576	217.391	217.354	8
9	---	---	---	---	---	217.589	217.679	217.632	---	217.489	217.589	217.357	9
10	---	---	---	---	---	217.589	217.681	217.762	---	217.389	217.558	217.352	10
11	---	---	---	---	---	217.572	217.692	217.863	---	217.423	217.174	217.364	11
12	---	---	---	---	---	217.548	217.695	217.939	---	217.547	217.262	217.363	12
13	---	---	---	---	---	217.559	217.662	217.889	---	217.568	217.367	217.360	13
14	---	---	---	---	---	217.538	217.700	217.880	---	217.477	217.392	217.358	14
15	217.161A	---	---	---	---	217.593	217.712	217.773	---	217.355	217.489	217.355	15
16	---	---	---	---	---	217.532	217.689	217.713	---	217.482	217.321	217.370	16
17	---	---	---	---	---	217.547	217.619	217.729	---	217.562	217.381	217.375	17
18	---	---	---	---	---	217.588	217.703	217.778	---	217.488	217.490	217.365	18
19	---	---	---	---	---	217.592	217.826	217.665	---	217.506	217.250	217.353	19
20	---	---	---	---	217.402A	217.541	217.780	217.703	---	217.518	217.131	217.351	20
21	---	---	---	---	217.433	217.570	217.713	217.727	217.522A	217.552	217.155	217.350	21
22	---	---	---	---	217.443	217.638	217.759	217.659	217.668	217.513	217.286	217.325	22
23	---	---	---	---	217.405	217.648	217.798	217.722	217.488	217.586	217.380	217.350	23
24	---	---	---	---	217.406	217.551	217.750	217.652	217.617	217.523	217.324	217.365	24
25	---	---	---	---	217.483	217.656	217.690	217.614	217.790	217.539	217.365	217.351	25
26	---	---	---	---	217.493	217.712	217.737	217.557	217.538	217.538	217.351	217.335	26
27	---	---	---	---	217.418	217.696	217.738	217.518	217.488	217.525	217.351	217.329	27
28	---	---	---	---	217.373	217.685	217.774	217.662A	217.488	217.467	217.380	217.338	28
29	---		---	---	217.381	217.662	217.719	---	217.497	217.393	217.320	217.348	29
30	---		---	---	217.451	217.670	217.821	---	217.502	217.479	217.361	217.346	30
31	---		---		217.469		217.723	---		217.489		217.342	31
MEAN	---	---	---	---	---	217.581	217.716	---	---	217.502	217.351	217.348	MEAN
MAX	---	---	---	---	---	217.712	217.826	---	---	217.681	217.589	217.375	MAX
MIN	---	---	---	---	---	217.377	217.619	---	---	217.389	217.131	217.324	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

A - MANUAL GAUGE

MAXIMUM DAILY, 217.939 ON AUG 12

MAXIMUM INSTANTANEOUS,
217.993 AT 13:00 CST ON AUG 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 41 51 N
LONG 97 52 15 W

REGULATED SINCE 1973

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

METLEY CREEK NEAR MATLOCK - STATION NO. 05OJ009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.67 B	0.304	0	---	---	---	---	---	---	1
2	---	---	0 B	1.60 B	0.272	0	---	---	---	---	---	---	2
3	---	---	0 B	1.58 B	0.213	0	---	---	---	---	---	---	3
4	---	---	0 B	1.55 B	0.157	0	---	---	---	---	---	---	4
5	---	---	0 B	1.53 B	0.136	0	---	---	---	---	---	---	5
6	---	---	0 B	1.51 B	0.105	0	---	---	---	---	---	---	6
7	---	---	0 B	1.49 B	0.089	0.009	---	---	---	---	---	---	7
8	---	---	0 B	1.48 B	0.070	0.016	---	---	---	---	---	---	8
9	---	---	0 B	1.48 B	0.051	0.012	---	---	---	---	---	---	9
10	---	---	0 B	1.47 B	0.055	0.006	---	---	---	---	---	---	10
11	---	---	0 B	1.47 B	0.077	0.002	---	---	---	---	---	---	11
12	---	---	0 B	3.32 B	0.057	0.016	---	---	---	---	---	---	12
13	---	---	0 B	7.03 B	0.037	0	---	---	---	---	---	---	13
14	---	---	0 B	3.84 B	0.020	0	---	---	---	---	---	---	14
15	---	---	0.018B	4.04 B	0.024	0	---	---	---	---	---	---	15
16	---	---	0.028B	4.21 B	0.033	0	---	---	---	---	---	---	16
17	---	---	0.026B	3.28	0.042	0	---	---	---	---	---	---	17
18	---	---	0.025B	2.68	0.056	0	---	---	---	---	---	---	18
19	---	---	0.023B	2.47	0.045	0	---	---	---	---	---	---	19
20	---	---	0.022B	2.32	0.036	0	---	---	---	---	---	---	20
21	---	---	0.019B	2.02	0.025	0	---	---	---	---	---	---	21
22	---	---	0.018B	1.73	0.010	0	---	---	---	---	---	---	22
23	---	---	0.018B	1.51	0	0	---	---	---	---	---	---	23
24	---	---	0.028B	1.30	0	0	---	---	---	---	---	---	24
25	---	---	0.080B	1.09	0	0	---	---	---	---	---	---	25
26	---	---	0.133B	0.919	0	0.014	---	---	---	---	---	---	26
27	---	---	0.224B	0.762	0	0.033	---	---	---	---	---	---	27
28	---	---	2.02 B	0.600	0	0.049	---	---	---	---	---	---	28
29	---		2.03 B	0.478	0	0.061	---	---	---	---	---	---	29
30	---		2.00 B	0.377	0	0.062	---	---	---	---	---	---	30
31	---		1.70 B		0		---	---		---		---	31
TOTAL	---	---	8.412	60.806	1.910	0.280	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.271	2.03	0.062	0.009	---	---	---	---	---	---	MEAN
MAX	---	---	2.03	7.03	0.304	0.062	---	---	---	---	---	---	MAX
MIN	---	---	0	0.377	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.585
MAXIMUM DAILY, 7.03B ON APR 13
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 26 52 N
LONG 97 03 56 W
DRAINAGE AREA, 245 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	727	SEP	---
APR	5 250	OCT	---
MAY	165	NOV	---
JUN	24.2	DEC	---

TOTAL DISCHARGE, 6 170 dam³

METLEY CREEK NEAR PETERSFIELD - STATION NO. 05OJ008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	9.00 B	0.351	0.299	0.065	0.163	0.188	0.256	---	---	1
2	---	---	0 B	7.00 B	0.324	0.305	0.058	0.222	0.046	0.242	---	---	2
3	---	---	0 B	5.00 B	0.308	0.322	0.070	0.335	0.058	0.192	---	---	3
4	---	---	0 B	3.00 B	0.296	0.304	0.056	0.328	0.065	0.193	---	---	4
5	---	---	0 B	2.00 B	0.361	0.254	0.050	0.228	0.023	0.186	---	---	5
6	---	---	0 B	1.90 B	0.311	0.224	0.049	0.187	0	0.189	---	---	6
7	---	---	0 B	1.80 B	0.268	0.223	0.032	0.156	0	0.187	---	---	7
8	---	---	0 B	1.78 B	0.276	0.205	0.036	0.129	0	0.013	---	---	8
9	---	---	0 B	1.70 B	0.365	0.195	0.072	0.109	0	0.050	---	---	9
10	---	---	0 B	1.78 B	0.416	0.164	0.073	0.071	0	0.128	---	---	10
11	---	---	0 B	8.20 B	0.816	0.133	0.056	0.026	0.017	0.463	---	---	11
12	---	---	0 B	6.40 B	0.358	0.110	0.042	0	0.043	0.598	---	---	12
13	---	---	0 B	8.80 B	0.357	0.120	0.032	0	0.075	0.508	---	---	13
14	---	---	0 B	10.3 B	0.402	0.124	0.018	0	0.079	0.415	---	---	14
15	---	---	0 B	11.4	0.405	0.104	0.004	0.012	0.092	0.352	---	---	15
16	---	---	0 B	10.7	0.437	0.094	0.003	0.038	0.113	0.330	---	---	16
17	---	---	0 B	8.04	0.448	0.096	0.007	0.032	0.123	0.331	---	---	17
18	---	---	0 B	5.58	0.412	0.121	0.161	0.063	0.105	0.325	---	---	18
19	---	---	0 B	4.14	0.329	0.133	0.280	0.081	0.157	0.316	---	---	19
20	---	---	0 B	3.25	0.364	0.133	0.142	0.094	0.166	0.293	---	---	20
21	---	---	0 B	2.59	0.361	0.122	0.053	0.114	0.157	0.282	---	---	21
22	---	---	0 B	1.94	0.389	0.113	0.029	0.175	0.015	0.289	---	---	22
23	---	---	0 B	1.51	0.365	0.101	0.027	0.206	0	0.304	---	---	23
24	---	---	0 B	1.06	0.334	0.098	0.050	0.206	0	0.289	---	---	24
25	---	---	0 B	0.794	0.366	0.093	0.109	0.219	0	0.124	---	---	25
26	---	---	0.816B	0.606	0.809	0.093	0.105	0.238	0	0.818	---	---	26
27	---	---	2.27 B	0.646	0.387	0.095	0.072	0.213	0.011	0	---	---	27
28	---	---	4.65 B	0.570	0.379	0.085	0.067	0.186	0.066	0.016	---	---	28
29	---		7.46 B	0.427	0.306	0.075	0.079	0.167	0.139	0.108	---	---	29
30	---		11.7 B	0.390	0.254	0.074	0.084	0.140	0.215	0.107E	---	---	30
31	---		11.4 B		0.272		0.123	0.136		0.105E		---	31
TOTAL	---	---	38.296	110.093	10.697	4.612	2.184	4.282	1.912	7.199	---	---	TOTAL
MEAN	---	---	1.24	3.94	0.345	0.154	0.070	0.136	0.064	0.232	---	---	MEAN
MAX	---	---	11.7	11.4	0.448	0.322	0.280	0.335	0.215	0.598	---	---	MAX
MIN	---	---	0	0.390	0.254	0.074	0.003	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.764
MAXIMUM DAILY, 11.7B ON MAR 30
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
13.0 AT 03:12 CST ON APR 15

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 19 38 N
LONG 97 02 39 W
DRAINAGE AREA, 598 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	189
FEB	---	AUG	363
MAR	3 310	SEP	165
APR	10 200	OCT	633
MAY	939	NOV	---
JUN	398	DEC	---

TOTAL DISCHARGE, 16 200 dam³

NORTH MOOSE LAKE AT MOOSE LAKE NARROWS CONTROL STRUCTURE - STATION NO. 05KE005

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	256.211	256.119	256.032	256.039	256.082	---	255.814	255.988	255.920	256.004	256.019	1
2	---	256.210	256.110	256.036	256.044	256.081	---	255.838	255.927	255.958	256.024	256.024	2
3	---	256.210	256.109	256.039	256.045	256.083	---	255.863	255.900	255.977	256.040	256.029	3
4	---	256.210	256.103	256.026	256.048	256.063	---	255.876	255.964	256.023	256.023	256.031	4
5	---	256.211	256.100	256.034	256.048	256.046	---	255.888	255.918	255.978	256.020	256.033	5
6	---	256.215	256.095	256.022	256.054	256.069	---	255.873	255.868	255.981	256.018	256.031	6
7	256.188A	256.212	256.091	256.019	256.051	256.129	---	255.925	255.873	255.993	256.002	256.031	7
8	---	256.202A	256.089	256.016	256.057	256.038	---	255.964	255.921	256.001	255.991	256.027	8
9	---	256.198A	256.088	256.017	256.059	256.034	---	255.978	255.932	256.006	255.993	256.033	9
10	---	256.197	256.086	256.013	256.066	256.055	---	255.972	255.917	256.009	255.997	256.028	10
11	---	256.188	256.084	256.011	256.072	256.058	---	255.850	255.938	255.994	256.008	256.030	11
12	---	256.180	256.091	256.010	256.063	256.038A	---	255.835	255.956	255.991	255.991	256.033	12
13	---	256.176	256.091	256.006	256.075	---	---	255.863	255.986	255.989	255.991	256.029	13
14	256.196A	256.175	256.087	256.004	256.080	---	---	255.894	255.917	256.002	255.991	256.028	14
15	256.187	256.171	256.090	256.006	256.072	---	---	255.937	255.889	256.016	255.992	256.025	15
16	256.188	256.169	256.087	256.007	256.055	---	255.895A	255.895	255.956	255.968	255.991	256.028	16
17	256.194	256.171	256.081	256.006	256.076	---	255.994	255.876	255.922	256.000	255.987	256.030	17
18	256.196	256.167	256.074	256.005	256.074	---	255.878	255.917	256.010	256.017	255.990	256.029	18
19	256.193	256.165	256.070	256.004	256.075	---	255.863	255.913	255.946	255.991	255.991	256.029	19
20	256.197	256.164	256.067	256.003	256.065	---	255.932	255.906	255.909	255.982	255.995	256.027	20
21	256.198	256.157	256.066	256.000	256.076	---	255.907	255.908	255.916	256.000	255.996	256.030	21
22	256.199A	256.151	256.059	256.001	256.071	---	255.853	255.916	255.951	255.994	255.999	256.024	22
23	256.200A	256.146	256.059	256.004	256.057	---	255.859	255.892	255.978	255.989	256.002	256.028	23
24	256.199	256.137	256.055	256.007	256.082	---	255.892	255.924	255.899	256.006	256.002	256.026	24
25	256.199	256.135	256.050	256.006	256.070	---	255.909	255.926	255.883	255.974	256.003	256.026	25
26	256.208	256.128	256.047	256.012	256.075	---	255.885	255.936	255.985	255.991	256.006	256.030	26
27	256.210	256.126	256.043	256.017	256.134	---	255.881	255.892	255.921	256.002	256.007	256.026	27
28	256.208	256.124	256.040	256.023	256.142	---	255.888	255.831	255.912	256.032	256.012	256.024	28
29	256.210		256.042	256.027	256.169	---	255.894	255.914	256.005	256.043	256.011	256.020	29
30	256.209		256.042	256.032	256.105	---	255.869	255.885	255.971	255.992	256.015	256.019	30
31	256.210		256.037		256.097		255.904	255.889		255.993		256.023	31
MEAN	---	256.175	256.076	256.014	256.074	---	---	255.898	255.932	255.994	256.003	256.028	MEAN
MAX	---	256.215	256.119	256.036	256.169	---	---	255.964	256.018	256.043	256.040	256.033	MAX
MIN	---	256.124	256.037	256.000	256.039	---	---	255.814	255.868	255.920	255.987	256.019	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 256.215 ON FEB 6

MAXIMUM INSTANTANEOUS,
256.218 AT 14:24 CST ON JAN 26

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 00 N
LONG 100 10 00 W

A - MANUAL GAUGE

REGULATED SINCE 1964

NORTH SEAL RIVER BELOW STONY LAKE - STATION NO. 06GD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		DAY
1	55.7B	42.0B	35.0B	29.6B	26.5B	152	247	160	102	109	132	87.0B		1
2	55.2B	41.5B	34.8B	29.5B	27.0B	150	239	156	102	110	141	86.5B		2
3	54.3B	41.3B	34.6B	29.3B	31.1B	163	252	152	100	110	162	85.5B		3
4	54.0B	41.1B	34.3B	29.3B	37.1B	168	250	150	102	110	160	84.5B		4
5	53.1B	40.9B	34.1B	29.1B	43.8B	173	249	151	102	110	145	83.6B		5
6	52.6B	40.6B	33.9B	28.9B	51.7B	177	247	151	102	111	136	82.6B		6
7	52.0B	40.4B	33.7B	28.7B	58.4	183	246	150	102	111	119	82.1B		7
8	51.4B	40.2B	33.5B	28.6B	60.5	186	245	147	105	111	113	81.6B		8
9	51.0B	39.9B	33.2B	28.5B	62.2	192	241	146	102	111	112	80.7B		9
10	50.7B	39.7B	33.0B	28.4B	64.3	201	237	145	99.4	112	112	B 79.7B		10
11	50.1B	39.4B	33.0B	28.3B	66.2	204	235	143	101	112	109	B 79.3B		11
12	49.8B	39.2B	32.8B	28.1B	69.5	209	233	139	105	111	109	B 78.3B		12
13	49.5B	38.9B	32.6B	27.9B	71.0	215	231	138	103	112	107	B 77.8B		13
14	49.0B	38.4B	32.3B	27.7B	73.9	219	226	135	104	112	106	B 76.9B		14
15	48.4B	38.1B	32.1B	27.6B	76.4	221	221	133	102	112	104	B 76.8B		15
16	48.1B	37.9B	32.1B	27.5B	79.7	226	219	131	101	110	103	B 75.6B		16
17	47.8B	37.6B	31.8B	27.4B	82.6	226	215	128	101	110	101	B 74.7B		17
18	47.5B	37.4B	31.6B	27.2B	86.7	228	211	125	103	110	100	B 74.2B		18
19	47.0B	37.1B	31.4B	27.0B	87.6	231	206	124	103	111	99.6B	73.3B		19
20	46.7B	36.9B	31.4B	27.0B	91.1	236	209	121	104	111	97.5B	72.4B		20
21	46.1B	36.7B	31.1B	26.7B	94.9	239	198	120	104	110	96.4B	72.0B		21
22	45.0B	36.5B	30.9B	26.5B	98.8	240	190	118	103	110	95.9B	71.6B		22
23	45.2B	36.3B	31.1B	26.3B	105	242	186	115	103	109	94.3B	73.7B		23
24	44.9B	36.1B	30.8B	26.2B	110	245	185	116	103	111	93.3B	70.3B		24
25	44.7B	35.8B	30.6B	26.1B	116	245	183	113	104	109	92.8B	69.9B		25
26	44.4B	35.6B	30.4B	26.1B	120	248	180	110	105	109	91.7B	69.0B		26
27	43.8B	35.4B	30.2B	26.1B	126	247	177	107	106	109	90.7B	68.6B		27
28	43.5B	35.3B	30.0B	26.1B	131	246	176	105	106	109	89.8B	67.0B		28
29	43.2B		30.0B	26.1B	138	246	173	104	105	109	89.3B	67.0B		29
30	42.6B		29.8B	26.1B	143	249	168	103	107	113	88.4B	66.0B		30
31	43.3B		29.6B		148		166	103		114		66.3B		31
TOTAL	1 580.6	1 076.2	995.8	827.8	2 576.6	6 415	6 651	4 037	3 091.4	3 428	3 289.7	2 355.6		TOTAL
MEAN	48.9	38.4	32.1	27.6	83.1	214	215	130	103	111	110	76.0		MEAN
MAX	55.7	42.0	35.0	29.6	148	249	252	160	107	114	162	87.6		MAX
MIN	43.3	35.3	29.6	26.1	26.5	152	166	103	99.4	109	88.4	66.3		MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 99.3
MAXIMUM DAILY, 252 ON JUL 3
MINIMUM DAILY, 26.1B ON APR 25
MAXIMUM INSTANTANEOUS,
252 AT 15:45 CST ON JUL 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 50 00 N
LONG 98 17 30 W
DRAINAGE AREA, 17 000 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	139 000	JUL	575 000
FEB	93 000	AUG	349 000
MAR	86 000	SEP	267 000
APR	71 500	OCT	296 000
MAY	223 000	NOV	284 000
JUN	554 000	DEC	204 000

TOTAL DISCHARGE, 3 130 000 dam³

NORTH SHOAL LAKE NEAR INWOOD - STATION NO. 05LM004

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	29.207	---	29.248	---	29.308	29.337	29.225	29.221	29.188	29.146	29.152	29.136	1
2	29.209	---	29.247	---	29.326	29.316	29.213	29.232	29.206	29.152	29.150	29.131	2
3	29.206	---	29.248	---	29.328	29.308	29.207	29.238	29.202	29.151	29.159	29.122	3
4	29.204	29.285A	29.251	---	29.308	29.291	29.203	29.248	29.193	29.162	29.174	29.118	4
5	29.209	29.283	29.251	---	29.304	29.239	29.205	29.228	29.184	29.156	29.177	29.109	5
6	29.206	29.284	29.252	---	29.308	29.290	29.269	29.227	29.155	29.156	29.191	29.109	6
7	29.204	29.283	29.250	---	29.367	29.358	29.278	29.246	29.180	29.151	29.178	29.106	7
8	29.205	29.238	29.251	---	29.306	29.316	29.252	29.260	29.181	29.152	29.198	29.103	8
9	29.201	29.237	29.250	---	29.305	29.315	29.251	29.228	29.178	29.158	29.188	29.099	9
10	29.207	29.241	29.253	---	29.309	29.316	29.242	29.205	29.172	29.185	29.152	29.095	10
11	29.221	29.244	29.227A	---	29.357	29.320	29.243	29.167	29.189	29.182	29.188	29.095	11
12	29.228	29.244	29.228	---	29.339	29.311	29.240	29.140	29.185	29.188	29.158	29.101	12
13	29.242	29.248	29.232	29.664	29.309	29.301	29.232	29.198	29.183	29.163	29.158	29.109	13
14	29.258A	29.250	29.230	29.687	29.308	29.303	29.228	29.188	29.166	29.171	29.151	29.119	14
15	---	29.253	29.233	29.926	29.346	29.308	29.210	29.232	29.152	29.181	29.146	29.132	15
16	---	29.257	29.233	29.986	29.346	29.297	29.221	29.228	29.151	29.163	29.187	29.169A	16
17	---	29.259	29.242	29.832	29.353	29.291	29.262	29.217	29.168	29.139	29.146	---	17
18	---	29.758	29.269	29.768	29.366	29.286	29.273	29.214	29.163	29.175	29.167	---	18
19	---	29.257	29.231	29.765	29.361	29.288	29.213	29.226	29.170	29.169	29.153	---	19
20	---	29.257	29.230	29.752	29.351	29.299	29.239	29.215	29.143	29.157	29.153	---	20
21	---	29.256	29.231	29.740	29.353	29.287	29.241	29.202	29.134	29.162	29.186	---	21
22	---	29.251	29.228	29.696	29.344	29.270	29.226	29.208	29.122	29.147	29.148	---	22
23	---	29.247	29.231	29.569	29.329	29.263	29.232	29.203	29.161	29.128	29.156	---	23
24	---	29.247	29.229	29.498	29.331	29.308	29.249	29.207	29.137	29.158	29.144	---	24
25	---	29.245	29.228	29.460	29.339	29.262	29.242	29.215	29.088	29.150	29.146	---	25
26	---	29.244	29.228	29.428	29.333	29.258	29.231	29.205	29.136	29.133	29.156	---	26
27	---	29.246	29.231	29.384	29.338	29.272	29.233	29.197	29.126	29.138	29.168	---	27
28	---	29.249	29.238	29.348	29.344	29.263	29.224	29.163	29.116	29.162	29.148	---	28
29	---		29.290	29.324	29.336	29.255	29.256	29.197	29.129	29.172	29.141	---	29
30	---		29.312A	29.335	29.312	29.296	29.233	29.178	29.156	29.179	29.141	---	30
31	---		---		29.303		29.241	29.177		29.162		---	31
MEAN	---	---	---	---	29.344	29.291	29.239	29.209	29.158	29.157	29.159	---	MEAN
MAX	---	---	---	---	29.367	29.358	29.278	29.260	29.206	29.185	29.191	---	MAX
MIN	---	---	---	---	29.312	29.239	29.210	29.140	29.088	29.138	29.140	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 29.986 ON APR 16

MAXIMUM INSTANTANEOUS,
30.174 AT 17:17 CST ON APR 15

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 26 00 N
LONG 97 37 30 W

A - MANUAL GAUGE

OAK CREEK NEAR STOCKTON - STATION NO. 05UG010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.006B	0.005B	0.003B	7.74 B	0.486	0.302	0.037	0.097	0.001	0	0.002	0.002B	1
2	0.006B	0.005B	0.003B	3.44 B	0.569	0.258	0.038	0.066	0	0	0.002	0.000B	2
3	0.005B	0.005B	0.003B	3.48 B	0.563	0.262	0.030	0.085	0.001	0	0.002	0.020B	3
4	0.005B	0.005B	0.003B	1.56 B	0.576	0.243	0.038	0.079	0.001	0	0.002	0.000B	4
5	0.005B	0.005B	0.003B	0.923B	0.432	0.217	0.027	0.064	0	0	0.002	0.004B	5
6	0.005B	0.005B	0.003B	0.784B	0.382	0.226	0.029	0.050	0	0.002	0.002	0.012B	6
7	0.005B	0.005B	0.003B	0.915B	0.336	0.330	0.043	0.050	0	0.002	0.003	0.003B	7
8	0.005B	0.005B	0.004B	1.48 B	0.356	0.316	0.073	0.064	0	0.002	0.003	0.003B	8
9	0.005B	0.005B	0.004B	1.68 B	0.616	0.277	0.205	0.038	0	0.003	0.002	0.004B	9
10	0.005B	0.005B	0.004B	2.02 B	1.05	0.274	0.162	0.050	0	0.003	0.015	0.004B	10
11	0.006B	0.004B	0.004B	4.83 B	1.54	0.251	0.169	0.045	0	0.003	0.003	0.005B	11
12	0.005B	0.004B	0.004B	11.0	1.34	0.237	0.225	0.039	0	0.003	0.003	0.007B	12
13	0.005B	0.004B	0.004B	8.44	1.27	0.212	0.337	0.038	0	0.003	0.009	0.010B	13
14	0.005B	0.004B	0.004B	6.46	1.17	0.195	0.259	0.031	0	0.003	0.006	0.011B	14
15	0.005B	0.004B	0.008B	4.26	1.07	0.192	0.505	0.028	0	0.003	0.001B	0.010B	15
16	0.005B	0.004B	0.016B	2.30	1.15	0.187	0.611	0.022	0	0.003	0.011B	0.010B	16
17	0.005B	0.004B	0.008B	1.25	1.28	0.197	0.423	0.042	0	0.003	0.004B	0.009B	17
18	0.005B	0.004B	0.006B	0.772B	1.39	0.190	0.289	0.054	0	0.002	0.005B	0.008B	18
19	0.005B	0.004B	0.008B	0.656	1.39	0.208	0.210	0.033	0	0.002	0.009B	0.008B	19
20	0.005B	0.004B	0.009B	0.564	1.34	0.176	0.150	0.022	0	0.001	0.004B	0.008B	20
21	0.005B	0.004B	0.011B	0.452	1.19	0.162	0.108	0.015	0	0.001	0.004B	0.007B	21
22	0.005B	0.003B	0.024B	0.483	1.00	0.136	0.082	0.014	0	0.001	0.003B	0.007B	22
23	0.005B	0.003B	0.059B	0.485	0.881	0.133	0.274	0.015	0	0.001	0.003B	0.007B	23
24	0.005B	0.002B	0.071B	0.402	0.672	0.091	0.273	0.009	0	0.001	0.003B	0.007B	24
25	0.005B	0.003B	0.057B	0.387	0.569	0.105	0.194	0.008	0	0.001	0.003B	0.007B	25
26	0.005B	0.003B	0.038B	0.414	0.470	0.094	0.102	0.007	0	0	0.003B	0.007B	26
27	0.005B	0.003B	0.026B	0.460	0.409	0.851	0.122	0.005	0	0.001	0.003B	0.007B	27
28	0.005B	0.003B	0.005B	0.471	0.371	0.046	0.076	0.003	0	0.003	0.003B	0.006B	28
29	0.005B		2.05 B	0.469	0.355	0.048	0.081	0.002	0	0.003	0.003B	0.006B	29
30	0.005B		13.7 B	0.464	0.365	0.043	0.127	0.002	0	0.003	0.001B	0.007B	30
31	0.005B		10.6 B		0.334		0.133	0.001		0.003		0.006B	31
TOTAL	0.158	0.113	27.425	68.893	24.840	5.639	7.282	1.078	0.003	0.056	0.155	0.230	TOTAL
MEAN	0.005	0.004	0.885	2.30	0.801	0.188	0.234	0.035	0	0.002	0.005	0.007	MEAN
MAX	0.006	0.005	13.7	11.0	1.54	0.338	0.629	0.097	0.001	0.003	0.015	0.020	MAX
MIN	0.005	0.002	0.003	0.367	0.334	0.043	0.030	0.001	0	0	0.001	0.002	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.372
MAXIMUM DAILY, 13.70 ON MAR 30
MINIMUM DAILY, 0 ON SEP 3
MAXIMUM INSTANTANEOUS,
17.00 AT 15:00 CST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 44 N
LONG 99 30 09 W
DRAINAGE AREA, 1 080 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	13.7	JUL	605
FEB	9.76	AUG	92.6
MAR	2 370	SEP	0.26
APR	5 950	OCT	4.84
MAY	2 150	NOV	13.4
JUN	487	DEC	19.9

TOTAL DISCHARGE, 11 700 dam³

OAK LAKE AT OAK LAKE RESORT - STATION NO. 05MD008

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	429.558	430.128	429.581E	429.660	429.536	429.469	429.412	429.410	429.413E	---	1
2	---	---	430.556	430.108	429.580E	429.657	429.531	429.468	429.411	429.414	429.414E	---	2
3	---	---	430.557	430.088	429.579E	429.654	429.536	429.466	429.410	429.414	429.415A	---	3
4	---	---	430.558	430.068	429.580E	429.648	429.532	429.459	429.403	429.415	---	---	4
5	---	---	430.557	430.253	429.651E	429.638	429.533	429.459	429.407	429.408	---	---	5
6	---	---	429.553	430.256	429.638A	429.617	429.530	429.456	429.410	429.408	---	---	6
7	---	---	429.553	430.256	429.632	429.609	429.528	429.455	429.409	429.408	---	---	7
8	---	---	429.551	430.256	429.627	429.607	429.526	429.448	429.410	429.406	---	---	8
9	---	---	429.556	430.252	429.630	429.600	429.526	429.443	429.413	429.408	---	---	9
10	---	---	429.553	430.255	429.627	429.589	429.539	429.438	429.412	429.410	---	---	10
11	---	---	429.550	430.257	429.628	429.588	429.538	429.440	429.415	429.413	---	---	11
12	429.887A	---	429.557	430.230	429.628A	429.577	429.523	429.438	429.412	429.411	---	---	12
13	---	---	429.558	430.183	429.673	429.570	429.520	429.435	429.409	429.413	---	---	13
14	---	---	429.559	430.161	429.686	429.559	429.520	429.435	429.408	429.412	---	---	14
15	---	---	429.650	430.139	429.701	429.551	429.519	429.431	429.408	429.409	---	---	15
16	---	---	429.843	430.217	429.722	429.563	429.515	429.428	429.407	429.411	---	---	16
17	---	---	429.871	430.297	429.737	429.558	429.528	429.423	429.405	429.414	---	---	17
18	---	---	429.822	430.119	429.745	429.556	429.516	429.425	429.406	429.408	---	---	18
19	---	---	429.835	430.050	429.738	429.560	429.519	429.419	429.403	429.410	---	---	19
20	---	---	429.766	430.013	429.735	429.568	429.518	429.416	429.403	429.412	---	---	20
21	---	---	429.810	429.995	429.753	429.572	429.503	429.416	429.405	429.413	---	---	21
22	---	---	429.946	429.928	429.748	429.569	429.5C1	429.410	429.405	429.411	---	---	22
23	---	---	429.958	429.840	429.748	429.559	429.493	429.410	429.406	429.415	---	---	23
24	---	---	429.951	429.741	429.739	429.555	429.486	429.410	429.402	429.412	---	---	24
25	---	---	430.022	429.650	429.734	429.541	429.488	429.409	429.409	429.411	---	---	25
26	---	429.559	430.198	429.631	429.728	429.560	429.489	429.413	429.405	429.411	---	---	26
27	---	429.558	430.286	429.605	429.710	429.560	429.488	429.406	429.402	429.410	---	---	27
28	---	429.558	430.349	429.587	429.707	429.538	429.485	429.414	429.409	429.408A	---	---	28
29	---		430.355	429.573	429.694	429.534	429.475	429.411	429.418	429.409E	---	---	29
30	---		430.058	429.568	429.674	429.535	429.477	429.406	429.415	429.410E	---	---	30
31	---		430.020		429.670		429.474	429.414		429.411E		---	31
MEAN	---	---	429.791	430.037	429.678	429.579	429.512	429.431	429.408	429.411	---	---	MEAN
MAX	---	---	430.355	430.297	429.753	429.660	429.534	429.469	429.418	429.415	---	---	MAX
MIN	---	---	429.551	429.568	429.579	429.534	429.474	429.406	429.402	429.404	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 430.355 ON MAR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 48 N
LONG 100 42 38 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA, 6 770 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

OAK RIVER AT SHOAL LAKE - STATION NO. 05MJ008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	0.0058	0.002	0	0	0.333	0	0	0.002	0B	1
2	0B	0B	0 B	0.0038	0.001	0	0	0.078	0	0	0.003	0B	2
3	0B	0B	0 B	0.0038	0.001	0	0	0.060	0	0	0.004	0B	3
4	0B	0B	0 B	0.0038	0	0	0	0.051	0	0	0.003	0B	4
5	0B	0B	0 B	0.0038	0	0	0	0.040	0	0	0.003	0B	5
6	0B	0B	0 B	0.0038	0	0	0	0.032	0	0	0.003	0B	6
7	0B	0B	0 B	0.0038	0	0	0	0.027	0	0	0.003	0B	7
8	0B	0B	0 B	0.0058	0	0	0	0.021	0	0	0.002	0B	8
9	0B	0B	0 B	0.0048	0	0	0	0.016	0	0	0.002	0B	9
10	0B	0B	0 B	0.0038	0	0	0	0.012	0	0	0.002	0B	10
11	0B	0B	0 B	0.0048	0	0	0	0.009	0	0	0.002	0B	11
12	0B	0B	0 B	0.1108	0	0	0	0.007	0	0	0.001	0B	12
13	0B	0B	0 B	0.3568	0	0	0	0.006	0	0	0	0B	13
14	0B	0B	0 B	0.423	0	0	0	0.006	0	0	0	0B	14
15	0B	0B	0 B	0.286	0	0	0	0.006	0	0	0	0B	15
16	0B	0B	0 B	0.135	0	0	0.104	0.006	0	0	0	0B	16
17	0B	0B	0 B	0.076	0	0	0.221	0.003	0	0	0	0B	17
18	0B	0B	0 B	0.054	0	0	0.346	0.003	0	0	0	0B	18
19	0B	0B	0 B	0.031A	0	0	0.438	0.002	0	0	0	0B	19
20	0B	0B	0 B	0.033	0	0	0.510	0.001	0	0	0	0B	20
21	0B	0B	0 B	0.018	0	0	0.510	0	0	0	0 B	0B	21
22	0B	0B	0 B	0.017	0	0	0.385	0	0	0	0 B	0B	22
23	0B	0B	0 B	0.011	0	0	0.369	0	0	0	0 B	0B	23
24	0B	0B	0 B	0.009	0	0	0.426	0	0	0	0 B	0B	24
25	0B	0B	0 B	0.006	0	0	0.443	0	0	0	0 B	0B	25
26	0B	0B	0 B	0.006	0	0	0.435	0	0	0	0 B	0B	26
27	0B	0B	0 B	0.003	0	0	0.505	0	0	0	0 B	0B	27
28	0B	0B	0 B	0.003	0	0	0.560	0	0	0	0 B	0B	28
29	0B		0 B	0.006	0	0	0.586	0	0	0.005	0 B	0B	29
30	0B		0.0078	0.006	0	0	0.586	0	0	0.006	0 B	0B	30
31	0B		0.0078		0		0.577	0		0.006		0B	31
TOTAL	0	0	0.019	1.613	0.006	0	6.899	0.787	0	0.015	0.030	0	TOTAL
MEAN	0	0	0	0.054	0	0	0.223	0.023	0	0	0.001	0	MEAN
MAX	0	0	0.007	0.423	0.002	0	0.586	0.333	0	0.006	0.004	0	MAX
MIN	0	0	0	0.003	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.035
MAXIMUM DAILY, 0.586 ON JUL 29
MINIMUM DAILY, 0B ON JAN 1

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 33 N
LONG 100 35 16 W
DRAINAGE AREA, 370 km²
A - MANUAL GAUGE
B - ZERO CONDITIONS

NATURAL FLOW

HOURLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	596
FEB	0	AUG	61.1
MAR	1.21	SEP	0
APR	139	OCT	1.30
MAY	0.35	NOV	2.59
JUN	0	DEC	0

TOTAL DISCHARGE, 802 dam³

OAK RIVER NEAR BRADWARDINE - STATION NO. 05MG010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	3.38 B	0.161	0.035	0.007	0	0	0.001	0.003	0B	1
2	0B	0B	0 B	2.19 B	0.125	0.021	0.005	0	0	0.004	0.003	0B	2
3	0B	0B	0 B	2.27 B	0.127	0.019	0.006	0	0	0.004	0.003	0B	3
4	0B	0B	0 B	1.67 B	0.111	0.011	0.005	0	0	0.004	0.002	0B	4
5	0B	0B	0 B	0.8478	0.097	0.012	0.004	0	0	0.003	0.002	0B	5
6	0B	0B	0 B	1.17 B	0.096	0.015	0.004	0	0	0.004	0.003B	0B	6
7	0B	0B	0 B	0.790B	0.079	0.027	0.003	0	0	0.005	0.003B	0B	7
8	0B	0B	0 B	1.90 B	0.062	0.019	0.002	0	0	0.006	0.004B	0B	8
9	0B	0B	0 B	2.80 B	0.072	0.015	0.003	0	0	0.006	0.003B	0B	9
10	0B	0B	0 B	2.42 B	0.077	0.012	0.004	0	0	0.009	0.003B	0B	10
11	0B	0B	0 B	3.31 B	0.158	0.006	0.003	0	0	0.011	0.004B	0B	11
12	0B	0B	0.001B	3.50 B	0.179	0.005	0.002	0	0	0.010	0.002B	0B	12
13	0B	0B	0 B	10.4 B	0.153	0.003	0.001	0	0	0.007	0.001B	0B	13
14	0B	0B	0 B	8.19	0.164	0.002	0.001	0	0	0.006	0.002B	0B	14
15	0B	0B	0 B	6.43	0.207	0	0.001	0	0	0.005	0.002B	0B	15
16	0B	0B	0 B	4.39	0.148	0	0.015	0	0	0.005	0.001B	0B	16
17	0B	0B	0 B	3.70	0.202	0	0.020	0	0	0.004	0.001B	0B	17
18	0B	0B	0 B	3.06	0.288	0	0.011	0	0	0.003	0.002B	0B	18
19	0B	0B	0.001B	2.50	0.205	0	0.008	0	0	0.003	0.002B	0B	19
20	0B	0B	0.003B	2.19	0.193	0	0.005	0	0	0.003	0.003B	0B	20
21	0B	0B	0.015B	1.67	0.161	0	0.003	0	0	0.003	0.001B	0B	21
22	0B	0B	0.067B	1.07	0.117	0.002	0.003	0	0	0.002	0 B	0B	22
23	0B	0B	0.089B	0.814	0.112	0.005	0.006	0	0	0.003	0 B	0B	23
24	0B	0B	0.107B	0.681	0.153	0.013	0.006	0	0	0.003	0 B	0B	24
25	0B	0B	0.070B	0.534	0.246	0.015	0.003	0	0	0.003	0 B	0B	25
26	0B	0B	0.049B	0.375	0.150	0.014	0	0	0	0.003	0 B	0B	26
27	0B	0B	0.035B	0.295	0.121	0.005	0	0	0	0.003	0 B	0B	27
28	0B	0B	0.039B	0.246	0.105	0.007	0	0	0	0.021	0 B	0B	28
29	0B		0.369B	0.200	0.087	0.015	0	0	0	0.018	0 B	0B	29
30	0B		3.99 B	0.166	0.059	0.014	0	0	0	0.008	0 B	0B	30
31	0B		6.57 B		0.043		0	0		0.004		0B	31
TOTAL	0	0	11.355	78.158	4.158	0.292	0.131	0	0	0.179	0.056	0	TOTAL
MEAN	0	0	0.366	2.61	0.134	0.010	0.004	0	0	0.006	0.002	0	MEAN
MAX	0	0	6.57	10.4	0.246	0.035	0.020	0	0	0.021	0.004	0	MAX
MIN	0	0	0	0.166	0.043	0	0	0	0	0.001	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.258
MAXIMUM DAILY, 10.4B ON APR 13
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
11.7B AT 03:44 CST ON APR 13

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 30 N
LONG 100 27 46 W
DRAINAGE AREA, 1 840 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	11.3
FEB	0	AUG	0
MAR	981	SEP	0
APR	6 750	OCT	15.0
MAY	359	NOV	4.32
JUN	25.2	DEC	0

TOTAL DISCHARGE, 8 150 dam³

OAK RIVER NEAR RIVERS - STATION NO. 05MG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	0.449B	0.129	0.001	0	0	0	0	0	0B	1
2	0B	0B	0 B	0.303B	0.119	0	0	0	0	0	0	0B	2
3	0B	0B	0 B	0.201B	0.119	0	0	0	0	0	0	0B	3
4	0B	0B	0 B	0.262B	0.102	0	0	0	0	0	0	0B	4
5	0B	0B	0 B	0.202B	0.070	0	0	0	0	0	0B	0B	5
6	0B	0B	0 B	0.137B	0.073	0	0	0	0	0	0B	0B	6
7	0B	0B	0 B	0.136B	0.076	0.001	0	0	0	0	0B	0B	7
8	0B	0B	0 B	0.202B	0.066	0.001	0	0	0	0	0B	0B	8
9	0B	0B	0 B	0.267B	0.059	0.001	0	0	0	0	0B	0B	9
10	0B	0B	0 B	0.321B	0.063	0.001	0	0	0	0	0B	0B	10
11	0B	0B	0 B	0.753B	0.062	0.001	0	0	0	0	0B	0B	11
12	0B	0B	0 B	1.92 B	0.097	0.001	0	0	0	0	0B	0B	12
13	0B	0B	0 B	2.46	0.096	0.001	0	0	0	0	0B	0B	13
14	0B	0B	0 B	2.84	0.041	0.001	0	0	0	0	0B	0B	14
15	0B	0B	0 B	2.64	0.026	0.001	0	0	0	0	0B	0B	15
16	0B	0B	0 B	2.45	0.022	0.001	0	0	0	0	0B	0B	16
17	0B	0B	0 B	2.34	0.018	0.001	0	0	0	0	0B	0B	17
18	0B	0B	0 B	1.88	0.017	0.001	0	0	0	0	0B	0B	18
19	0B	0B	0 B	1.57	0.029	0.002	0	0	0	0	0B	0B	19
20	0B	0B	0 B	1.33	0.021	0.002	0	0	0	0	0B	0B	20
21	0B	0B	0 B	1.04	0.015	0.001	0	0	0	0	0B	0B	21
22	0B	0B	0 B	0.787	0.010	0.001	0	0	0	0	0B	0B	22
23	0B	0B	0 B	0.642	0.007	0.002	0	0	0	0	0B	0B	23
24	0B	0B	0 B	0.493	0.012	0.002	0	0	0	0	0B	0B	24
25	0B	0B	0 B	0.386	0.009	0.001	0	0	0	0	0B	0B	25
26	0B	0B	0 B	0.323	0.005	0.001	0	0	0	0	0B	0B	26
27	0B	0B	0 B	0.264	0.005	0.001	0	0	0	0	0B	0B	27
28	0B	0B	0 B	0.191	0.004	0.001	0	0	0	0	0B	0B	28
29	0B		0.053B	0.194	0.003	0.001	0	0	0	0	0B	0B	29
30	0B		0.357B	0.135	0.001	0	0	0	0	0	0B	0B	30
31	0B		0.694B		0.001		0	0		0		0B	31
TOTAL	0	0	1.104	27.117	1.377	0.028	0	0	0	0	0	0	TOTAL
MEAN	0	0	0.036	0.904	0.044	0.001	0	0	0	0	0	0	MEAN
MAX	0	0	0.694	2.84	0.129	0.002	0	0	0	0	0	0	MAX
MIN	0	0	0	0.135	0.001	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.081
MAXIMUM DAILY, 2.84 ON APR 14
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
4.37 AT 15:34 CST ON APR 14

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 30 N
LONG 100 23 35 W
DRAINAGE AREA, 1 160 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	0
MAR	95.4	SEP	0
APR	2 340	OCT	0
MAY	119	NOV	0
JUN	2.42	DEC	0

TOTAL DISCHARGE, 2 580 dam³

OCHRE RIVER AT OCHRE RIVER - STATION NO. 05LJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.400B	3.08	1.41	0.348	0.185	0.154	0.422	---	---	1
2	---	---	0 B	0.294B	2.58	1.23	0.332	0.299	0.198	0.397	---	---	2
3	---	---	0 B	0.155B	2.30	1.08	0.340	0.293	0.198	0.395	---	---	3
4	---	---	0 B	0.040B	2.23	0.963	0.328	0.271	0.170	0.368	---	---	4
5	---	---	0 B	0.020B	1.91	0.885	0.299	0.238	0.148	0.323	---	---	5
6	---	---	0 B	0 B	1.62	0.820	0.281	0.199	0.147	0.322	---	---	6
7	---	---	0 B	0 B	1.45	0.853	0.272	0.169	0.178	0.331	---	---	7
8	---	---	0 B	0 B	1.29	0.936	0.266	0.146	0.196	0.330	---	---	8
9	---	---	0 B	0 B	1.16	0.811	0.246	0.127	0.159	0.332	---	---	9
10	---	---	0 B	0 B	1.22	0.736	0.222	0.154	0.128	0.567	---	---	10
11	---	---	0 B	0.064B	2.18	0.678	0.209	0.139	0.118	5.76	---	---	11
12	---	---	0 B	0.154B	2.26	0.639	0.200	0.114	0.120	4.63	---	---	12
13	---	---	0 B	0.464B	1.88	0.603	0.177	0.111	0.122	3.12	---	---	13
14	---	---	0 B	7.30 B	1.72	0.565	0.167	0.157	0.127	2.28	---	---	14
15	---	---	0 B	16.6 B	1.70	0.531	0.172	0.528	0.153	1.75	---	---	15
16	---	---	0 B	11.9 B	2.05	0.496	0.657	0.464	0.150	1.40	---	---	16
17	---	---	0 B	8.93 B	3.31	0.483	0.809	0.318	0.152	1.41	---	---	17
18	---	---	0 B	10.4 B	4.85	0.526	0.568	0.264	0.151	1.36	---	---	18
19	---	---	0 B	8.23 B	4.49	0.493	0.468	0.224	0.129	1.20	---	---	19
20	---	---	0 B	8.75	3.78	0.582	0.348	0.205	0.115	1.07	---	---	20
21	---	---	0 B	8.63	3.13	0.736	0.267	0.192	0.121	0.964	---	---	21
22	---	---	0 B	10.6	2.67	0.798	0.236	0.181	0.119	0.879	---	---	22
23	---	---	0 B	15.1	2.28	0.736	0.268	0.185	0.120	0.815	---	---	23
24	---	---	0 B	14.8	2.01	0.706	0.280	0.173	0.117	0.749	---	---	24
25	---	---	0 B	11.9	1.82	0.617	0.232	0.204	0.144	0.688	---	---	25
26	---	---	0 B	8.84	1.66	0.547	0.208	0.189	0.144	0.639	---	---	26
27	---	---	0.050B	7.24	1.51	0.480	0.182	0.161	0.131	0.607	---	---	27
28	---	---	0.100B	6.08	1.38	0.443	0.173	0.157	0.286	0.918	---	---	28
29	---		0.200B	4.85	1.27	0.401	0.280	0.163	0.562	5.59	---	---	29
30	---		0.400B	3.67	1.24	0.372	0.269	0.161	0.549	4.20	---	---	30
31	---		0.441B		1.45		0.221	0.152		2.93		---	31
TOTAL	---	---	1.191	185.811	67.48	21.146	9.325	6.523	5.306	46.746	---	---	TOTAL
MEAN	---	---	0.038	5.51	2.18	0.705	0.301	0.210	0.177	1.51	---	---	MEAN
MAX	---	---	0.441	16.6	4.85	1.41	0.809	0.528	0.562	5.76	---	---	MAX
MIN	---	---	0	0	1.16	0.372	0.167	0.111	0.115	0.322	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.32
MAXIMUM DAILY, 16.6B ON APR 15
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 55 N
LONG 99 46 44 W
DRAINAGE AREA, 344 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	806
FEB	---	AUG	564
MAR	103	SEP	458
APR	14 300	OCT	4 040
MAY	5 830	NOV	---
JUN	1 830	DEC	---

TOTAL DISCHARGE, 27 900 dam³

ODEI RIVER NEAR THOMPSON - STATION NO. 05TG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.18B	1.66B	1.61B	1.55E	220 E	96.8	61.9	40.1	57.3	55.3	51.5	27.6B	1
2	2.07B	1.66B	1.60B	1.55E	292 E	96.5	58.7	40.0	55.9	57.5	45.4	27.3B	2
3	2.02B	1.65B	1.60B	1.54E	352 E	94.6	56.6	40.8	55.5	60.4	39.0	27.1B	3
4	1.93B	1.65B	1.60B	1.54E	352 E	91.5	54.9	42.2	55.9	63.7	38.1B	26.9B	4
5	1.85B	1.65B	1.60B	1.54E	341 E	88.2	53.0	44.1	54.2	67.3	37.2B	26.6B	5
6	1.82B	1.65B	1.60B	1.54A	320 E	89.0	53.0	47.0	53.3	69.9	36.2B	26.4B	6
7	1.79B	1.65B	1.60B	1.54E	308 E	90.0	53.4	51.1	52.4	71.1	35.5B	26.2B	7
8	1.77B	1.64B	1.59B	1.53E	297 E	91.7	55.4	55.5	51.1	71.3	34.9B	26.0B	8
9	1.75B	1.64B	1.59B	1.53E	281 E	94.2	57.8	59.4	50.6	70.9	34.2B	25.8B	9
10	1.73B	1.64B	1.59B	1.53E	267 A	95.8	59.2	63.8	50.3	69.8	33.6B	25.5B	10
11	1.70B	1.64B	1.59B	1.53E	253	95.1	59.3	66.4	51.3	68.7	33.1B	25.3B	11
12	1.70B	1.64B	1.59B	1.52E	237	93.5	59.9	67.3	52.4	68.0	32.7B	25.1B	12
13	1.70B	1.63B	1.58B	1.52E	220	90.0	59.8	65.8	55.9	67.3	32.4B	24.9B	13
14	1.70B	1.63B	1.58B	1.52E	206	85.5	60.8	63.8	59.3	66.3	32.1B	24.7B	14
15	1.69B	1.63B	1.58B	1.52E	187	80.4	61.8	62.8	60.0	65.1	31.7B	24.5B	15
16	1.69B	1.63B	1.58B	1.52E	172	75.4	61.5	62.6	59.7	63.5	31.4B	24.3B	16
17	1.69B	1.63B	1.58B	1.52E	158	71.1	60.1	64.6	59.6	62.2	31.2B	24.2B	17
18	1.69B	1.62B	1.57B	1.52E	143	67.5	57.6	68.6	59.2	60.9	30.9B	24.0B	18
19	1.68B	1.62B	1.57B	1.54E	130	64.4	55.0	72.4	59.3	59.2	30.6B	23.9B	19
20	1.68B	1.62B	1.57B	1.57E	118	61.2	52.9	76.7	59.6	57.9	30.3B	23.7B	20
21	1.68B	1.62B	1.57B	1.70E	110	58.6	50.7	83.2	60.0	56.2	30.0B	23.6B	21
22	1.68B	1.62B	1.57B	1.85E	101	56.1	48.6	87.2	60.3	55.1	29.8B	23.4B	22
23	1.68B	1.61B	1.57B	2.40E	93.6	55.0	48.1	86.4	59.8	53.8	29.6B	23.3B	23
24	1.67B	1.61B	1.56B	3.66E	87.9	55.6	46.2	84.0	58.8	53.2	29.3B	23.1B	24
25	1.67B	1.61B	1.56B	5.06E	82.9	60.2	45.2	79.6	57.9	52.2	29.0B	22.9B	25
26	1.67B	1.61B	1.56E	16.5 E	80.1	66.3	44.7	75.4	57.4	51.7	28.8B	22.7B	26
27	1.67B	1.61B	1.56E	32.6 E	78.2	68.9	44.0	71.4	56.0	51.2	28.5B	22.5B	27
28	1.67B	1.61B	1.56E	60.0 E	78.8	68.9	43.3	67.7	54.4	50.5	28.3B	22.3B	28
29	1.66B		1.56E	88.8 E	81.9	67.6	41.8	64.7	55.2	51.1	28.1B	22.1B	29
30	1.66B		1.55E	142 E	87.4	64.8	40.4	61.9	55.2	51.6	27.8B	21.9B	30
31	1.66B		1.55E		93.1		40.7	59.0		51.8		21.6B	31
TOTAL	54.20	45.68	48.94	385.24	5 836.9	2 334.4	1 646.3	1 975.5	1 687.8	1 874.7	992.0	759.4	TOTAL
MEAN	1.75	1.63	1.58	12.8	188	77.8	53.1	63.7	56.3	60.5	33.1	24.5	MEAN
MAX	2.18	1.66	1.61	142	352	96.8	61.9	87.2	60.3	71.3	51.5	27.6	MAX
MIN	1.66	1.61	1.55	1.52	78.2	55.0	40.4	40.0	50.3	50.5	27.8	21.6	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 48.3
MAXIMUM DAILY, 352E ON MAY 3
MINIMUM DAILY, 1.52E ON APR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 59 45 N
LONG 97 21 23 W
DRAINAGE AREA, 6 450 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 680	JUL	142 000
FEB	3 950	AUG	171 000
MAR	4 230	SEP	146 000
APR	33 300	OCT	162 000
MAY	503 000	NOV	85 700
JUN	202 000	DEC	65 600

TOTAL DISCHARGE, 1 520 000 dam³

OVERFLOWING RIVER AT OVERFLOWING RIVER - STATION NO. 05LD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.031B	0.017B	16.0 E	26.3	7.76	7.59	2.92	4.84	---	---	1
2	---	---	0.031B	0.017B	14.7 E	26.8	6.81	7.34	3.41	5.25	---	---	2
3	---	---	0.030B	0.017B	13.5 E	25.9	6.43	7.42	3.85	5.47	---	---	3
4	---	---	0.030B	0.017B	12.3 A	25.3	6.43	7.57	4.07	6.79	---	---	4
5	---	---	0.029B	0.017B	12.1	24.8	6.21	7.46	4.09	8.08	---	---	5
6	---	---	0.029B	0.017B	11.9	25.4	6.63	6.97	3.93	8.81	---	---	6
7	---	---	0.028B	0.017B	11.8	25.8	9.30	6.58	3.81	9.28	---	---	7
8	---	---	0.028B	0.017B	11.5	24.9	12.3	6.15	3.66	9.34	---	---	8
9	---	---	0.027B	0.017B	11.3	24.0	13.1	5.62	3.48	9.26	---	---	9
10	---	---	0.027B	0.017B	10.9	22.6	12.3	5.18	3.31	8.99	---	---	10
11	---	---	0.026B	0.017B	10.6	21.1	11.0	4.81	3.63	8.66	---	---	11
12	---	---	0.026B	0.054B	10.3	19.8	9.95	4.51	3.53	8.55	---	---	12
13	---	---	0.025B	0.090B	10.2	18.7	8.87	4.62	3.24	8.48	---	---	13
14	---	---	0.025B	0.189B	10.2	18.3	8.00	4.64	3.05	8.36	---	---	14
15	---	---	0.024B	0.405B	9.98	17.8	7.65	4.67	2.87	8.23	---	---	15
16	---	---	0.024B	1.55 B	9.93	17.3	7.20	4.49	2.75	7.96	---	---	16
17	---	---	0.023B	3.30 B	9.70	16.6	10.6	4.21	2.64	8.32	---	---	17
18	---	---	0.023B	5.65 B	9.67	15.6	18.2	4.18	2.62	9.13	---	---	18
19	---	---	0.022B	8.71 B	9.83	16.3	24.0	3.90	2.52	9.22	---	---	19
20	---	---	0.022B	12.4 B	10.0	17.6	26.3	3.55	2.42	9.05	---	---	20
21	---	---	0.021B	16.6 B	10.3	17.5	25.8	3.21	2.40	8.74	---	---	21
22	---	---	0.021B	21.1 B	10.6	16.6	24.0	2.97	2.33	8.41	---	---	22
23	---	---	0.020B	21.2 B	10.7	15.3	21.8	2.74	2.34	8.34	---	---	23
24	---	---	0.020B	21.9 B	10.8	14.3	19.2	2.49	2.26	8.27	---	---	24
25	---	---	0.019B	22.3 E	10.5	13.6	16.7	2.37	2.27	8.17	---	---	25
26	---	---	0.019B	22.7 A	10.2	12.9	14.4	2.24	2.28	8.06	---	---	26
27	---	---	0.018B	21.2 E	9.82	12.1	12.5	2.18	2.21	8.02	---	---	27
28	---	---	0.018B	20.0 E	10.2	11.0	11.2	2.07	2.34	7.93	---	---	28
29	---		0.017B	18.6 E	11.5	10.0	10.0	2.13	3.53	7.76	---	---	29
30	---		0.017B	17.4 E	16.8	8.98	9.11	2.10	4.53	7.50	---	---	30
31	---		0.017B		22.9		8.32	2.40		7.36		---	31
TOTAL	---	---	0.737	235.635	360.69	563.18	392.07	138.36	92.29	250.63	---	---	TOTAL
MEAN	---	---	0.024	7.85	11.6	18.8	12.6	4.46	3.08	8.08	---	---	MEAN
MAX	---	---	0.031	22.7	22.9	26.8	26.3	7.59	4.53	9.34	---	---	MAX
MIN	---	---	0.017	0.017	9.67	8.98	6.21	2.07	2.21	4.84	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.30
MAXIMUM DAILY, 26.8 ON JUN 2
MINIMUM DAILY, 0.017B ON MAR 29
MAXIMUM INSTANTANEOUS, 27.1 AT 20:12 CST ON JUN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 09 15 N
LONG 101 06 30 W
DRAINAGE AREA, 3 550 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	33 900
FEB	---	AUG	12 000
MAR	63.7	SEP	7 970
APR	20 400	OCT	21 700
MAY	31 200	NOV	---
JUN	48 700	DEC	---

TOTAL DISCHARGE, 176 000 dam³

OXFORD LAKE AT OXFORD HOUSE - STATION NO. 04AA002

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	187.382	---	---	---	---	---	187.576	187.403	187.573	187.398	187.358	---	1
2	187.385	---	---	---	---	---	187.545	187.368	187.572	187.392	187.403	---	2
3	187.382	---	---	---	---	---	187.539	187.360	187.564	187.393	187.395	---	3
4	187.377	---	---	---	---	---	187.538	187.384	187.557	187.363	---	---	4
5	187.374	---	---	---	---	---	187.519	187.392	187.571	187.387	---	---	5
6	187.370	---	---	---	---	---	187.512	187.400	187.537	187.375	---	---	6
7	187.366	---	---	---	---	---	187.543	187.407	187.533	187.371	---	---	7
8	187.363A	---	---	---	---	---	187.530	187.444	187.530	187.377	---	---	8
9	---	---	---	---	---	---	187.516	187.462	187.511	187.381	---	---	9
10	---	---	---	---	---	187.611A	187.512	187.456	187.505	187.386	---	---	10
11	---	---	---	---	---	187.656	187.491	187.460	187.558	187.376	---	---	11
12	---	---	---	---	---	187.661	187.489	187.467	187.558	187.373	---	---	12
13	---	---	---	---	---	187.662	187.483	187.475	187.546	187.378	---	---	13
14	---	---	---	---	---	187.654	187.480	187.476	187.557	187.386	---	---	14
15	---	---	---	---	---	187.651	187.488	187.529	187.557	187.386	---	---	15
16	---	---	---	---	---	187.636	187.473	187.531	187.524	187.387	---	---	16
17	---	---	---	---	---	187.642	187.451	187.531	187.496	187.342	---	---	17
18	---	---	---	---	---	187.639	187.462	187.544	187.484	187.343	---	---	18
19	---	---	---	---	---	187.629	187.449	187.544	187.484	187.406	---	---	19
20	---	---	---	---	---	187.612	187.465	187.555	187.490	187.416	---	---	20
21	---	---	---	---	---	187.588	187.451	187.559	187.477	187.394	---	---	21
22	---	---	---	---	---	187.580	187.438	187.565	187.443	187.370	---	---	22
23	---	---	---	---	---	187.579	187.430	187.577	187.472	187.352	---	---	23
24	---	---	187.332A	---	---	187.624	187.428	187.580	187.441	187.359	---	---	24
25	---	---	---	---	---	187.633	187.437	187.590	187.432	187.335	---	---	25
26	---	---	---	---	---	187.612	187.436	187.590	187.454	187.329	---	---	26
27	---	---	---	---	---	187.621	187.427	187.570	187.409	187.324	---	---	27
28	---	---	---	---	---	187.611	187.416	187.571	187.352	187.322	---	---	28
29	---		---	---	---	187.602	187.439	187.570	187.381	187.343	---	---	29
30	---		---	---	---	187.595	187.441	187.570	187.417	187.393	---	---	30
31	---		---		---		187.424	187.565		187.367		---	31
MEAN	---	---	---	---	---	---	187.478	187.500	187.499	187.371	---	---	MEAN
MAX	---	---	---	---	---	---	187.576	187.590	187.573	187.416	---	---	MAX
MIN	---	---	---	---	---	---	187.416	187.360	187.352	187.322	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 57 10 N
LONG 95 16 00 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY -183.565 m ADJUSTMENT TO CONVERT TO ASSUMED DATUM

OXTAIL CREEK NEAR CYPRESS RIVER - STATION NO. 05MN012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.62 B	0.264	0.087	0.027	0.018	0	0	---	---	1
2	---	---	0 B	1.59 B	0.227	0.080	0.025	0.017	0	0	---	---	2
3	---	---	0 B	1.53 B	0.197	0.075	0.022	0.017	0	0	---	---	3
4	---	---	0 B	1.41 B	0.187	0.068	0.019	0.015	0	0	---	---	4
5	---	---	0 B	1.28 B	0.176	0.063	0.034	0.012	0	0	---	---	5
6	---	---	0 B	1.17 B	0.166	0.071	0.029	0.013	0	0	---	---	6
7	---	---	0 B	1.10 B	0.157	0.142	0.023	0.011	0	0	---	---	7
8	---	---	0 B	1.04 B	0.148	0.148	0.019	0.008	0	0	---	---	8
9	---	---	0 B	1.02 B	0.157	0.189	0.017	0.006	0	0	---	---	9
10	---	---	0 B	1.06 B	0.158	0.128	0.014	0.004	0	0	---	---	10
11	---	---	0 B	1.17 B	0.163	0.117	0.011	0.003	0	0	---	---	11
12	---	---	0 B	1.58 B	0.172	0.108	0.011	0.002	0	0	---	---	12
13	---	---	0 B	1.97 B	0.177	0.095	0.018	0.001	0	0	---	---	13
14	---	---	0.001B	1.84 B	0.173	0.081	0.020	0	0	0	---	---	14
15	---	---	0.005B	1.82 B	0.182	0.071	0.020	0.001	0	0	---	---	15
16	---	---	0.035B	2.06 B	0.233	0.070	0.021	0	0	0	---	---	16
17	---	---	0.029B	1.88	0.219	0.068	0.034	0	0	0	---	---	17
18	---	---	0.026B	1.51	0.222	0.063	0.028	0	0	0	---	---	18
19	---	---	0.022B	1.33	0.217	0.064	0.026	0	0	0	---	---	19
20	---	---	0.020B	1.22	0.208	0.060	0.025	0	0	0	---	---	20
21	---	---	0.017B	1.16	0.194	0.051	0.023	0	0	0	---	---	21
22	---	---	0.023B	1.11	0.180	0.047	0.023	0	0	0	---	---	22
23	---	---	0.029B	0.951	0.164	0.046	0.028	0	0	0	---	---	23
24	---	---	0.027B	0.794	0.152	0.043	0.022	0	0	0	---	---	24
25	---	---	0.024B	0.634	0.140	0.037	0.022	0	0	0	---	---	25
26	---	---	0.022B	0.511	0.131	0.035	0.021	0	0	0	---	---	26
27	---	---	0.052B	0.436	0.124	0.032	0.020	0	0	0	---	---	27
28	---	---	0.205B	0.386	0.116	0.031	0.020	0	0	0	---	---	28
29	---		0.510B	0.349	0.108	0.030	0.021	0	0	0	---	---	29
30	---		1.30 B	0.302	0.100	0.028	0.020	0	0	0.001	---	---	30
31	---		1.49 B		0.093		0.019	0		0		---	31
TOTAL	---	---	3.837	35.833	5.305	2.188	0.679	0.128	0	0.001	---	---	TOTAL
MEAN	---	---	0.124	1.19	0.171	0.073	0.022	0.004	0	0	---	---	MEAN
MAX	---	---	1.49	2.06	0.264	0.149	0.034	0.018	0	0.001	---	---	MAX
MIN	---	---	0	0.302	0.093	0.028	0.011	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.196
MAXIMUM DAILY, 2.06B ON APR 16
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 40 N
LONG 99 09 20 W
DRAINAGE AREA, 435 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	58.7
FEB	---	AUG	11.1
MAR	332	SEP	0
APR	3 100	OCT	0.09
MAY	458	NOV	---
JUN	189	DEC	---

TOTAL DISCHARGE, 4 150 dam³

PANSY DRAIN NEAR SARTO - STATION NO. 05OE014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.040B	0.062	0.001	---	---	---	---	---	---	1
2	---	---	0 B	0.035B	0.055	0	---	---	---	---	---	---	2
3	---	---	0 B	0.030B	0.070	0	---	---	---	---	---	---	3
4	---	---	0 B	0.020B	0.110	0	---	---	---	---	---	---	4
5	---	---	0 B	0.010B	0.102	0	---	---	---	---	---	---	5
6	---	---	0 B	0.012B	0.080	0.003	---	---	---	---	---	---	6
7	---	---	0 B	0.014B	0.061	0.144	---	---	---	---	---	---	7
8	---	---	0 B	0.017B	0.050	0.215	---	---	---	---	---	---	8
9	---	---	0 B	0.030B	0.057	0.408	---	---	---	---	---	---	9
10	---	---	0 B	0.070B	0.069	0.554	---	---	---	---	---	---	10
11	---	---	0 B	0.200B	0.092	0.448	---	---	---	---	---	---	11
12	---	---	0 B	0.500B	0.088	0.282	---	---	---	---	---	---	12
13	---	---	0 B	0.411B	0.078	0.212	---	---	---	---	---	---	13
14	---	---	0 B	0.486	0.069	0.211	---	---	---	---	---	---	14
15	---	---	0 B	0.367	0.094	0.161	---	---	---	---	---	---	15
16	---	---	0 B	0.288	0.094	0.130	---	---	---	---	---	---	16
17	---	---	0 B	0.220	0.171	0.096	---	---	---	---	---	---	17
18	---	---	0 B	0.160A	0.168	0.078	---	---	---	---	---	---	18
19	---	---	0 B	0.152E	0.152	0.083	---	---	---	---	---	---	19
20	---	---	0 B	0.144E	0.113	0.092	---	---	---	---	---	---	20
21	---	---	0 B	0.136E	0.084	0.090	---	---	---	---	---	---	21
22	---	---	0 B	0.129E	0.056	0.069	---	---	---	---	---	---	22
23	---	---	0 B	0.121E	0.035	0.056	---	---	---	---	---	---	23
24	---	---	0 B	0.114E	0.023	0.049	---	---	---	---	---	---	24
25	---	---	0 B	0.106E	0.017	0.039	---	---	---	---	---	---	25
26	---	---	0.001B	0.099A	0.011	0.033	---	---	---	---	---	---	26
27	---	---	0.003B	0.094	0.004	0.023	---	---	---	---	---	---	27
28	---	---	0.005B	0.093	0.002	0.016	---	---	---	---	---	---	28
29	---		0.008B	0.079	0.001	0.012	---	---	---	---	---	---	29
30	---		0.025B	0.067	0.001	0.008	---	---	---	---	---	---	30
31	---		0.048B		0.001		---	---		---		---	31
TOTAL	---	---	0.090	4.244	2.070	3.499	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.003	0.141	0.067	0.117	---	---	---	---	---	---	MEAN
MAX	---	---	0.048	0.500	0.171	0.554	---	---	---	---	---	---	MAX
MIN	---	---	0	0.010	0.001	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.081
MAXIMUM DAILY, 0.554 ON JUN 10
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.566 AT 18:20 CST ON JUN 10

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 05 N
LONG 96 43 53 W
DRAINAGE AREA, 39.9 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	7.78	SEP	---
APR	367	OCT	---
MAY	179	NOV	---
JUN	302	DEC	---

TOTAL DISCHARGE, 856 dam³

PARTRIDGE CREEK NEAR ST. MARTIN - STATION NO. 05LM002

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	243.748	243.608	---	---	---	---	---	---	1
2	---	---	---	---	243.739	243.635	---	---	---	---	---	---	2
3	---	---	---	---	243.737	243.686	---	---	---	---	---	---	3
4	---	---	---	---	243.746	243.704	---	---	---	---	---	---	4
5	---	---	---	---	243.757	243.748	---	---	---	---	---	---	5
6	---	---	---	---	243.717	243.776	---	---	---	---	---	---	6
7	---	---	---	---	243.654	243.666	---	---	---	---	---	---	7
8	---	---	---	---	243.652	243.686	---	---	---	---	---	---	8
9	---	---	---	---	243.647	243.688	---	---	---	---	---	---	9
10	---	---	---	---	243.622	243.679	---	---	---	---	---	---	10
11	---	---	---	---	243.633	243.648	---	---	---	---	---	---	11
12	---	---	---	---	243.654	243.651	---	---	---	---	---	---	12
13	---	---	---	---	243.664	243.657	---	---	---	---	---	---	13
14	---	---	---	---	243.645	243.651	---	---	---	---	---	---	14
15	---	---	---	---	243.616	243.651	---	---	---	---	---	---	15
16	---	---	---	---	243.626	243.617	---	---	---	---	---	---	16
17	---	---	---	---	243.634	243.597	---	---	---	---	---	---	17
18	---	---	---	---	243.628	243.607	---	---	---	---	---	---	18
19	---	---	---	---	243.627	243.625	---	---	---	---	---	---	19
20	---	---	---	---	243.653	243.607	---	---	---	---	---	---	20
21	---	---	---	---	243.654	243.609	---	---	---	---	---	---	21
22	---	---	---	---	243.667	243.648	---	---	---	---	---	---	22
23	---	---	---	---	243.703	243.651	---	---	---	---	---	---	23
24	---	---	---	---	243.706	243.577	---	---	---	---	---	---	24
25	---	---	---	---	243.716	243.613	---	---	---	---	---	---	25
26	---	---	---	---	243.725	243.628	---	---	---	---	---	---	26
27	---	---	---	243.791A	243.721	243.608	---	---	---	---	---	---	27
28	---	---	---	243.794	243.652	243.590	---	---	---	---	---	---	28
29	---		---	243.833	243.622	243.595	---	---	---	---	---	---	29
30	---		---	243.787	243.648	243.609	---	---	---	---	---	---	30
31	---		---		243.625		---	---		---		---	31
MEAN	---	---	---	---	243.672	243.648	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	243.757	243.776	---	---	---	---	---	---	MAX
MIN	---	---	---	---	243.616	243.577	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1982

MAXIMUM DAILY, 243.833 ON APR 29

MAXIMUM INSTANTANEOUS,
243.875 AT 14:38 CST ON APR 29

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 42 30 N
LONG 98 39 30 W

A - MANUAL GAUGE

NATURAL FLOW

DRAINAGE AREA,
104 km²

PELICAN CREEK NEAR BIRNIE - STATION NO. 05LL027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.001B	0.027	0.032	0.006	0.018	0.004	0.001	---	---	1
2	---	---	0 B	0.001B	0.024	0.025	0.006	0.020	0.004	0.001	---	---	2
3	---	---	0 B	0.001B	0.025	0.020	0.006	0.020	0.004	0.001	---	---	3
4	---	---	0 B	0.001B	0.029	0.018	0.005	0.020	0.004	0.001	---	---	4
5	---	---	0 B	0 B	0.027	0.017	0.005	0.021	0.004	0.001	---	---	5
6	---	---	0 B	0 B	0.025	0.038	0.005	0.021	0.004	0.001	---	---	6
7	---	---	0 B	0 B	0.023	0.055	0.005	0.022	0.003	0.001	---	---	7
8	---	---	0 B	0 B	0.020	0.034	0.004	0.023	0.002	0.001	---	---	8
9	---	---	0 B	0 B	0.019	0.033	0.004	0.023	0.001	0.001	---	---	9
10	---	---	0 B	0 B	0.021	0.030	0.004	0.023	0.001	0.003	---	---	10
11	---	---	0 B	0 B	0.039	0.027	0.004	0.021	0.001	0.003	---	---	11
12	---	---	0 B	0.009B	0.044	0.023	0.004	0.021	0.001	0.003	---	---	12
13	---	---	0 B	0.060B	0.047	0.019	0.004	0.020	0.001	0.003	---	---	13
14	---	---	0 B	0.148B	0.046	0.018	0.004	0.018	0.001	0.002	---	---	14
15	---	---	0 B	0.377B	0.052	0.016	0.004	0.020	0.001	0.003	---	---	15
16	---	---	0 B	0.347B	0.153	0.014	0.143	0.018	0.001	0.005	---	---	16
17	---	---	0 B	0.305B	0.281	0.013	0.089	0.017	0.001	0.014	---	---	17
18	---	---	0 B	0.282B	0.222	0.011	0.052	0.017	0.001	0.016	---	---	18
19	---	---	0 B	0.280B	0.140	0.010	0.027	0.015	0	0.016	---	---	19
20	---	---	0 B	0.275B	0.117	0.011	0.018	0.013	0	0.017	---	---	20
21	---	---	0 B	0.165B	0.103	0.010	0.015	0.012	0	0.017	---	---	21
22	---	---	0 B	0.119B	0.082	0.008	0.015	0.012	0	0.018	---	---	22
23	---	---	0 B	0.137B	0.068	0.008	0.016	0.011	0	0.019	---	---	23
24	---	---	0 B	0.104	0.061	0.007	0.014	0.009	0	0.018	---	---	24
25	---	---	0 B	0.078	0.059	0.006	0.013	0.006	0	0.017	---	---	25
26	---	---	0 B	0.062	0.064	0.006	0.013	0.005	0	0.016	---	---	26
27	---	---	0 B	0.054	0.061	0.005	0.016	0.005	0.001	0.016	---	---	27
28	---	---	0.001B	0.050	0.057	0.005	0.016	0.005	0.003	0.021	---	---	28
29	---		0.001B	0.040	0.050	0.006	0.017	0.004	0.001	0.042	---	---	29
30	---		0.001B	0.033	0.042	0.006	0.017	0.004	0.001	0.041	---	---	30
31	---		0.001B		0.037		0.017	0.004		0.032		---	31
TOTAL	---	---	0.004	2.928	2.065	0.531	0.568	0.468	0.045	0.351	---	---	TOTAL
MEAN	---	---	0	0.098	0.067	0.018	0.018	0.015	0.002	0.011	---	---	MEAN
MAX	---	---	0.001	0.377	0.281	0.055	0.143	0.023	0.004	0.042	---	---	MAX
MIN	---	---	0	0	0.019	0.005	0.004	0.004	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.028
MAXIMUM DAILY, 0.377B ON APR 15
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 35 N
LONG 99 29 05 W
DRAINAGE AREA, 9.07 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	49.1
FEB	---	AUG	40.4
MAR	0.35	SEP	3.89
APR	253	OCT	30.3
MAY	178	NOV	---
JUN	45.9	DEC	---

TOTAL DISCHARGE, 601 dam³

PELICAN LAKE NEAR WINNETTE - STATION NO. 05OA002

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	411.034E	---	411.032E	411.078	---	411.194E	411.173E	411.175	411.063E	411.012E	411.066	411.051	1
2	411.033	---	411.032E	411.080E	---	411.189	411.171E	411.172E	411.059	411.017	411.066	411.051E	2
3	411.033E	---	411.033	411.083E	---	411.189E	411.169E	411.170	411.057	411.017E	411.066	411.051E	3
4	411.033E	---	411.036E	411.085E	---	411.189	411.167	411.163	411.052	411.017	411.030	411.052	4
5	411.033	---	411.040E	411.088	---	411.176E	411.176	411.158	411.042	411.017	411.066	411.064E	5
6	411.033E	---	411.043	411.081E	---	411.163E	411.176E	411.150	411.051	410.988	411.066	411.077E	6
7	411.033E	---	411.040E	411.074	411.110	411.151E	411.177	411.140E	411.046	411.015	411.066	411.090	7
8	411.033E	---	411.038	411.077E	411.110	411.138	411.198E	411.130	411.032	411.015E	411.063	411.089E	8
9	411.033	---	411.038	411.081E	411.077	411.188	411.219	411.135	411.030	411.016	411.063	411.088	9
10	411.034E	411.031	411.038E	411.084	411.126E	411.187E	411.200E	411.136	41 .029	411.018E	411.062	411.088E	10
11	411.034E	411.030E	411.038E	411.089E	411.175	411.186E	411.181	411.133E	411.027	411.020	411.050	411.088	11
12	411.035E	411.029E	411.038	411.094	411.175E	411.185	411.177	411.131E	411.026	411.022E	411.050	411.087E	12
13	411.036E	411.028	411.040E	411.104E	411.176	411.187E	411.197	411.128	411.023	411.024	411.050	411.086	13
14	411.037E	411.028E	411.041E	411.114	411.176E	411.189E	411.199E	411.117	411.023	411.026E	411.052E	411.086E	14
15	411.038E	411.028	411.043	---	411.176	411.191	411.201	411.113	411.016	411.028E	411.054E	411.087	15
16	411.039	411.029	411.043	---	411.204	411.184	411.209E	411.113E	411.013	411.030	411.056	411.087E	16
17	411.039E	411.028E	411.040E	---	411.206	411.172	411.217E	411.113E	411.006	411.066	411.055E	411.087E	17
18	411.039E	111.028	411.038	---	411.207	411.162	411.225	411.113	411.002	411.066	411.055E	411.088E	18
19	411.039E	411.025E	411.040E	---	411.208	411.144	411.220E	411.111E	410.999	411.066	411.055E	411.088E	19
20	411.039E	411.029	411.043	---	411.210	411.148	411.216	411.109	410.997	411.064	411.054E	411.088E	20
21	411.039E	411.029E	411.041E	---	411.209	411.157E	411.214	411.123	410.995	411.064	411.054E	411.089E	21
22	411.040E	411.029E	411.040E	---	411.210	411.167	411.207E	411.119	410.992	411.064	411.054E	411.089E	22
23	411.040	411.030	411.038	---	411.211E	411.167	411.201	411.115	410.987	411.064	411.053E	411.089E	23
24	---	411.030E	411.053	---	411.212E	411.166E	411.190	411.108	410.981	411.062	411.053E	411.089E	24
25	---	411.031E	411.038	---	411.214	411.164E	411.194	411.093	410.978	411.060	411.053E	411.090	25
26	---	411.031E	411.040E	---	411.213	411.163	411.192E	411.086	410.978	411.063E	411.052E	411.090E	26
27	---	411.031E	411.043	---	411.213E	411.163	411.191E	411.083	410.976	411.067	411.052E	411.090E	27
28	---	411.032E	411.043	---	411.213	411.163	411.190	411.080	411.007	411.072E	411.052E	411.090	28
29	---		411.055E	---	411.211	411.179	411.187E	411.077	411.008	411.077	411.051E	411.089	29
30	---		411.068	---	411.205E	411.175	411.185	411.072E	411.007	411.077	411.051E	411.089E	30
31	---		411.073E		411.200E		411.177	411.068E		411.067		411.090E	31
MEAN	---	---	411.042	---	---	411.173	411.193	411.120	411.017	411.041	411.056	411.082	MEAN
MAX	---	---	411.073	---	---	411.194	411.225	411.175	411.063	411.077	411.066	411.090	MAX
MIN	---	---	411.032	---	---	411.138	411.167	411.068	410.976	410.988	411.038	411.051	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MINIMUM DAILY, 410.976 ON SEP 27

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 24 00 N
LONG 99 36 20 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

DRAINAGE AREA, 461 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PEMBINA RIVER ABOVE LORNE LAKE - STATION NO. 05OA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	10.9 B	0.419	0.268	0.057	0.017	0.003	0.005	---	---	1
2	---	---	0 B	9.69 B	0.475	0.279	0.052	0.017	0.003	0.004	---	---	2
3	---	---	0 B	8.10 B	0.414	0.204	0.044	0.016	0.002	0.005	---	---	3
4	---	---	0 B	6.60 B	0.395	0.203	0.037	0.014	0.002	0.005	---	---	4
5	---	---	0 B	5.56 B	0.315	0.171	0.183	0.012	0.002	0.006	---	---	5
6	---	---	0 B	5.04 B	0.268	0.170	0.222	0.010	0.002	0.007	---	---	6
7	---	---	0 B	4.90 B	0.243	0.360	0.118	0.010	0.002	0.007	---	---	7
8	---	---	0 B	4.84 B	0.213	0.351	0.080	0.010	0.002	0.007	---	---	8
9	---	---	0 B	4.90 B	0.205	0.962	0.072	0.009	0.002	0.008	---	---	9
10	---	---	0 B	5.04 B	0.407	1.16	0.063	0.009	0.002	0.010	---	---	10
11	---	---	0 B	6.25 B	0.581	1.45	0.057	0.008	0.003	0.020	---	---	11
12	---	---	0 B	7.19 B	1.05	1.43	0.063	0.008	0.003	0.108	---	---	12
13	---	---	0 B	7.33	1.43	1.28	0.138	0.007	0.002	0.097	---	---	13
14	---	---	0 B	12.1	1.25	1.06	0.188	0.007	0.002	0.082	---	---	14
15	---	---	0 B	10.5	1.05	0.893	0.144	0.006	0.002	0.067	---	---	15
16	---	---	0 B	8.11	0.973	0.795	0.120	0.006	0.002	0.062	---	---	16
17	---	---	0 B	5.94	1.04	0.701	0.101	0.005	0.003	0.236A	---	---	17
18	---	---	0 B	4.27	1.18	0.593	0.071	0.005	0.003	0.226E	---	---	18
19	---	---	0 B	3.50	1.36	0.482	0.055	0.005	0.004	0.215E	---	---	19
20	---	---	0 B	2.92	1.38	0.394	0.051	0.005	0.003	0.205E	---	---	20
21	---	---	0 B	2.37	1.29	0.343	0.048	0.004	0.004	0.194E	---	---	21
22	---	---	0 B	1.97	1.11	0.286	0.034	0.004	0.004	0.184E	---	---	22
23	---	---	0 B	1.62	0.917	0.245	0.032	0.004	0.004	0.173E	---	---	23
24	---	---	0 B	1.38	0.779	0.260	0.032	0.004	0.004	0.163E	---	---	24
25	---	---	0 B	1.16	0.665	0.218	0.028	0.004	0.004	0.153E	---	---	25
26	---	---	0.001B	1.02	0.575	0.163	0.025	0.003	0.004	0.142E	---	---	26
27	---	---	0.300B	0.847	0.505	0.123	0.022	0.003	0.005	0.131E	---	---	27
28	---	---	2.78 B	0.668	0.446	0.119	0.020	0.003	0.007	0.121E	---	---	28
29	---		6.25 B	0.559	0.413	0.105	0.020	0.003	0.005	0.110E	---	---	29
30	---		9.07 B	0.496	0.370	0.074	0.019	0.003	0.005	0.100E	---	---	30
31	---		10.8 B		0.328		0.018	0.003		0.089E		---	31
TOTAL	---	---	29.289	145.770	22.046	15.142	2.286	0.224	0.095	2.941	---	---	TOTAL
MEAN	---	---	0.942	4.86	0.711	0.505	0.071	0.007	0.003	0.095	---	---	MEAN
MAX	---	---	10.8	12.1	1.43	1.45	0.222	0.017	0.007	0.236	---	---	MAX
MIN	---	---	0	0.496	0.305	0.074	0.018	0.003	0.002	0.084	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.888
MAXIMUM DAILY, 12.1 ON APR 14
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
14.3 AT 16:45 CST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 58 N
LONG 99 27 44 W
DRAINAGE AREA, 544 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	191
FEB	---	AUG	19.4
MAR	2 530	SEP	8.21
APR	12 600	OCT	254
MAY	1 900	NOV	---
JUN	1 310	DEC	---

TOTAL DISCHARGE, 18 800 dam³

PEMBINA RIVER AT NECHE - STATION NO. 05OC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.045B	0.003B	0 B	28.3 B	20.5	11.4	9.38	5.15	2.66	1.98	1.56	0.311B	1
2	0.045B	0.003B	0 B	18.3 B	20.7	10.7	8.95	4.84	2.61	1.93	1.47	0.396B	2
3	0.045B	0.003B	0 B	8.47B	20.8	10.4	8.83	4.64	2.44	1.81	1.42	0.453B	3
4	0.042B	0.002B	0 B	6.84B	21.8	10.3	8.58	4.56	2.38	1.73	1.05	0.481B	4
5	0.042B	0.002B	0 B	4.76B	22.1	10.0	8.47	4.36	2.18	1.64	0.850	0.453B	5
6	0.040B	0.001B	0 B	4.96B	21.8	9.88	9.06	4.56	2.10	1.59	0.878B	0.453B	6
7	0.040B	0.001B	0 B	6.85B	21.2	20.2	10.4	4.64	2.04	1.70	1.10 B	0.623B	7
8	0.037B	0 B	0 B	6.63B	20.8	40.5	8.95	5.04	1.98	1.84	1.16 B	1.22 B	8
9	0.037B	0 B	0 B	5.66B	20.7	30.3	8.24	4.64	1.98	2.04	0.934B	1.01 B	9
10	0.034B	0 B	0 B	5.66B	20.7	24.9	7.87	4.28	1.93	2.27	1.16 B	1.25 B	10
11	0.034B	0 B	0 B	7.65B	21.6	22.2	7.53	4.02	1.84	2.58	1.16 B	1.05 B	11
12	0.031B	0 B	0 B	7.99B	21.2	19.9	7.31	3.91	1.84	5.49	0.651B	0.708B	12
13	0.031B	0 B	0 B	28.3 B	21.8	17.6	7.08	3.82	1.78	4.90	0.793B	0.453B	13
14	0.028B	0 B	0 B	33.7 B	19.6	16.0	6.97	3.82	1.64	3.99	0.878B	0.481B	14
15	0.028B	0 B	0 B	32.8 B	18.8	14.8	6.74	3.82	1.64	3.26	0.850B	0.481B	15
16	0.027B	0 B	0 B	34.8 B	18.6	14.1	6.74	3.82	1.64	2.89	0.793B	0.453B	16
17	0.025B	0 B	0 B	24.7 B	18.6	13.4	6.63	3.74	1.53	2.55	0.793B	0.453B	17
18	0.023B	0 B	0 B	21.8	18.8	13.1	6.63	3.57	1.36	2.41	0.793B	0.481B	18
19	0.023B	0 B	0 B	17.9	18.8	12.6	6.43	3.51	1.30	2.35	0.736B	0.481B	19
20	0.023B	0 B	0 B	16.5	18.1	12.1	6.31	3.36	1.27	2.35	0.736B	0.453B	20
21	0.023B	0 B	0 B	16.5	17.4	11.8	5.97	3.23	1.30	2.21	0.708B	0.453B	21
22	0.023B	0 B	0 B	17.9	16.7	11.5	5.97	3.65	0.934	2.12	0.736B	0.481B	22
23	0.023B	0 B	0 B	19.0	16.0	11.5	6.09	3.36	1.30	1.98	0.651B	0.481B	23
24	0.023B	0 B	0 B	19.6	15.3	11.2	6.74	3.17	1.30	1.90	0.595B	0.481B	24
25	0.023B	0 B	0 B	20.1	14.8	10.7	8.47	3.03	1.30	1.84	0.510B	0.481B	25
26	0.021B	0 B	0 B	20.7	14.3	10.4	8.35	3.03	1.25	1.76	0.396B	0.481B	26
27	0.017B	0 B	0.991B	20.7	13.8	10.1	7.08	2.94	1.30	1.76	0.311B	0.481B	27
28	0.014B	0 B	3.82 B	19.4	13.3	10.0	6.43	2.89	1.56	1.76	0.266B	0.481B	28
29	0.011B		4.76 B	19.8	12.9	9.88	6.09	2.72	1.76	1.61	0.266B	0.481B	29
30	0.006B		5.15 B	19.9	12.5	9.60	5.78	2.66	1.84	1.56	0.283B	0.481B	30
31	0.004B		14.6 B		11.8		5.47	2.66		1.56		0.481B	31
TOTAL	0.868	0.015	29.321	514.17	565.8	482.06	229.50	117.40	51.984	71.36	24.487	18.207	TOTAL
MEAN	0.028	0.001	0.946	17.1	18.3	16.7	7.40	3.79	1.73	2.30	0.816	0.587	MEAN
MAX	0.045	0.003	14.6	34.8	22.1	40.5	10.4	5.15	2.66	5.49	1.56	1.81	MAX
MIN	0.004	0	0	4.76	11.8	9.60	5.47	2.66	0.934	1.56	0.266	0.311	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.66
MAXIMUM DAILY, 40.5 ON JUN 8
MINIMUM DAILY, 08 ON FEB 8

SUMMARY FOR THE YEAR 1982

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 20 N
LONG 97 33 05 W
DRAINAGE AREA, 8 470 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	75.0	JUL	19 800
FEB	1.30	AUG	10 100
MAR	2 530	SEP	4 490
APR	44 400	OCT	6 170
MAY	48 900	NOV	2 120
JUN	38 200	DEC	1 570

TOTAL DISCHARGE, 178 800 dam³

PEMBINA RIVER BELOW CRYSTAL CREEK - STATION NO. 05OB023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.023B	0.010B	0.008B	5.53B	17.7	7.19	5.26	1.20	0.153	0.101	0.066	0.048B	1
2	0.021B	0.009B	0.008B	4.55B	16.7	6.45	5.04	0.951	0.135	0.111	0.062	0.048B	2
3	0.019B	0.009B	0.008B	3.98B	15.9	6.12	5.00	0.890	0.130	0.097	0.054	0.047B	3
4	0.018B	0.009B	0.008B	3.55B	15.6	5.91	4.85	0.875	0.130	0.091	0.054E	0.047B	4
5	0.017B	0.009B	0.008B	3.42B	15.1	5.52	4.79	0.873	0.154	0.095	0.054E	0.047B	5
6	0.016B	0.009B	0.008B	3.39B	14.4	7.00	4.85	1.20	0.197	0.107	0.053B	0.047B	6
7	0.015B	0.009B	0.008B	3.37B	13.8	20.4	4.75	0.941	0.109	0.078	0.053B	0.047B	7
8	0.014B	0.009B	0.008B	3.39B	12.1	15.9	4.41	0.899	0.092	0.057	0.053B	0.046B	8
9	0.013B	0.009B	0.008B	3.49B	11.4	13.1	4.28	0.873	0.111	0.055	0.053B	0.046B	9
10	0.012B	0.009B	0.008B	4.01B	11.2	13.4	4.16	0.847	0.091	0.073	0.053B	0.046B	10
11	0.011B	0.009B	0.008B	6.18B	11.4	12.9	4.05	0.828	0.041	0.055	0.052B	0.045B	11
12	0.011B	0.009B	0.008B	12.3 B	10.8	12.0	3.91	0.811	0.044	0.037	0.052B	0.045B	12
13	0.011B	0.009B	0.008B	23.8 B	10.7	11.4	3.83	0.812	0.043	0.029	0.052B	0.045B	13
14	0.011B	0.009B	0.008B	25.2	10.5	10.9	3.73	0.800	0.034	0.043	0.052B	0.045B	14
15	0.011B	0.009B	0.008B	26.4	10.1	10.4	3.68	0.792	0.028	0.049	0.051B	0.045B	15
16	0.011B	0.008B	0.008B	27.3	10.1	10.1	3.44	0.777	0.042	0.072	0.051B	0.044B	16
17	0.011B	0.008B	0.008B	27.7	10.2	9.84	2.53	0.764	0.057	0.084	0.051B	0.044B	17
18	0.011B	0.008B	0.008B	27.8	10.3	9.32	2.27	0.754	0.059	0.073	0.051B	0.044B	18
19	0.010B	0.008B	0.008B	27.7	10.1	9.15	1.95	0.741	0.055	0.074	0.051B	0.044B	19
20	0.010B	0.008B	0.008B	27.6	9.79	8.69	1.87	0.852	0.063	0.062	0.050B	0.044B	20
21	0.010B	0.008B	0.008B	27.5	9.63	8.14	1.82	0.465	0.079	0.075	0.050B	0.043B	21
22	0.010B	0.008B	0.008B	27.0	9.51	7.70	1.75	0.230	0.088	0.070	0.050B	0.043B	22
23	0.010B	0.008B	0.008B	26.3	9.38	7.33	1.68	0.206	0.088	0.079	0.050B	0.043B	23
24	0.010B	0.008B	0.008B	25.5	9.51	7.21	1.66	0.207	0.084	0.081	0.049B	0.043B	24
25	0.010B	0.008B	0.008B	24.5	9.36	6.75	1.60	0.206	0.079	0.095	0.049B	0.043B	25
26	0.010B	0.008B	0.013B	23.4	9.05	6.45	1.50	0.143	0.080	0.101	0.049B	0.042B	26
27	0.010B	0.008B	0.034B	22.2	8.69	6.20	1.38	0.125	0.114	0.104	0.049B	0.042B	27
28	0.010B	0.008B	0.109B	21.0	8.41	5.95	1.29	0.123	0.127	0.101	0.049B	1.42 B	28
29	0.010B		0.453B	19.9	8.28	5.79	1.25	0.120	0.042	0.087	0.048B	1.41 B	29
30	0.010B		0.983B	18.8	8.05	5.53	1.17	0.153	0.061	0.084	0.048B	1.39 B	30
31	0.010B		5.98 B		7.80		1.10	0.169		0.077		1.34 B	31
TOTAL	0.386	0.240	7.772	506.72	345.56	272.74	94.85	19.627	2.610	2.393	1.559	6.773	TOTAL
MEAN	0.012	0.009	0.251	16.9	11.1	9.09	3.06	0.633	0.087	0.077	0.052	0.218	MEAN
MAX	0.023	0.010	5.98	27.8	17.7	20.4	5.26	1.20	0.197	0.111	0.066	1.42	MAX
MIN	0.010	0.008	0.008	3.37	7.80	5.52	1.10	0.130	0.028	0.029	0.048	0.042	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.46
MAXIMUM DAILY, 27.8 ON APR 18
MINIMUM DAILY, 0.008B ON FEB 16
MAXIMUM INSTANTANEOUS, 27.8 AT 07:25 CST ON APR 17

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 18 N
LONG 99 02 03 W
DRAINAGE AREA, 6 480 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1940

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	33.4	JUL	8 200
FEB	20.7	AUG	1 700
MAR	672	SEP	326
APR	43 800	OCT	207
MAY	29 900	NOV	135
JUN	23 600	DEC	585

TOTAL DISCHARGE, 109 800 dam³

PEMBINA RIVER NEAR KILLARNEY - STATION NO. 05OA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	4.59 B	0.487	0.235	0.020	0.020	0.002	0.011	---	---	1
2	---	---	0 B	3.03 B	0.488	0.261	0.017	0.021	0.001	0.018	---	---	2
3	---	---	0 B	1.46 B	0.469	0.220	0.018	0.018	0.001	0.015	---	---	3
4	---	---	0 B	2.30 B	0.436	0.217	0.017	0.014	0.002	0.021	---	---	4
5	---	---	0 B	0.912B	0.402	0.214	0.020	0.013	0.002	0.023	---	---	5
6	---	---	0 B	0.499B	0.367	0.201	0.022	0.019	0.002	0.028	---	---	6
7	---	---	0 B	0.362B	0.367	0.259	0.022	0.020	0.003	0.037	---	---	7
8	---	---	0 B	0.406B	0.330	0.224	0.016	0.016	0.003	0.042	---	---	8
9	---	---	0 B	0.692B	0.313	0.240	0.020	0.007	0.003	0.042	---	---	9
10	---	---	0 B	0.945B	0.385	0.250	0.021	0.002	0.002	0.045	---	---	10
11	---	---	0 B	1.35 B	0.558	0.225	0.027	0.001	0.001	0.046	---	---	11
12	---	---	0 B	5.18 B	0.666	0.174	0.030	0.001	0.001	0.037	---	---	12
13	---	---	0 B	9.75 B	0.602	0.145	0.036	0.002	0.001	0.039	---	---	13
14	---	---	0 B	10.5	0.510	0.142	0.034	0.004	0.001	0.055	---	---	14
15	---	---	0 B	7.37	0.453	0.138	0.037	0.007	0.001	0.061	---	---	15
16	---	---	0 B	5.73	0.460	0.118	0.043	0.005	0.001	0.053	---	---	16
17	---	---	0 B	3.93	0.505	0.097	0.042	0.001	0.001	0.048	---	---	17
18	---	---	0 B	2.96	0.589	0.089	0.046	0.001	0.001	0.045	---	---	18
19	---	---	0.020B	2.20	0.617	0.083	0.046	0.001	0.001	0.036	---	---	19
20	---	---	0.020B	1.58	0.598	0.079	0.048	0.001	0.001	0.036	---	---	20
21	---	---	0.020B	1.12	0.509	0.077	0.050	0.001	0.001	0.038	---	---	21
22	---	---	0.025B	0.850	0.433	0.075	0.049	0.001	0.001	0.038	---	---	22
23	---	---	0.052B	0.697	0.377	0.061	0.048	0.003	0.001	0.041	---	---	23
24	---	---	0.063B	0.606	0.353	0.066	0.049	0.006	0.002	0.040	---	---	24
25	---	---	0.050B	0.545	0.351	0.056	0.045	0.003	0.001	0.041	---	---	25
26	---	---	0.044B	0.493	0.325	0.043	0.044	0.003	0.001	0.043	---	---	26
27	---	---	0.043B	0.463	0.304	0.034	0.045	0.003	0.002	0.045	---	---	27
28	---	---	0.051B	0.494	0.300	0.029	0.044	0.004	0.003	0.049	---	---	28
29	---		0.362B	0.495	0.275	0.031	0.050	0.004	0.004	0.050E	---	---	29
30	---		4.93 B	0.486	0.259	0.022	0.052	0.004	0.005	0.050E	---	---	30
31	---		8.05 B		0.242		0.041	0.003		0.050E		---	31
TOTAL	---	---	13.730	72.795	13.310	4.105	1.099	0.215	0.052	1.223	---	---	TOTAL
MEAN	---	---	0.443	2.43	0.429	0.137	0.035	0.007	0.002	0.039	---	---	MEAN
MAX	---	---	8.05	10.5	0.666	0.261	0.052	0.020	0.005	0.061	---	---	MAX
MIN	---	---	0	0.362	0.242	0.022	0.016	0.001	0.001	0.011	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.635
MAXIMUM DAILY, 10.5 ON APR 14
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
11.4 AT 07:15 CST ON APR 14

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 41 N
LONG 99 44 36 W
DRAINAGE AREA, 355 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	95.0
FEB	---	AUG	18.6
MAR	1 190	SEP	4.49
APR	6 290	OCT	106
MAY	1 150	NOV	---
JUN	355	DEC	-

TOTAL DISCHARGE, 9 210 dam³

PEMBINA RIVER NEAR WINDYGATES - STATION NO. 05OB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	3.94B	21.4	10.5	7.08	3.56	1.80	1.23	0.801	0.280B	1
2	0B	0B	0 B	3.02B	21.7	10.4	6.78	3.46	1.75	1.24	0.778	0.305B	2
3	0B	0B	0 B	2.98B	21.9	10.2	6.65	3.35	1.69	1.21	0.717B	0.340B	3
4	0B	0B	0 B	4.85B	21.6	9.86	6.38	3.22	1.63	1.20	0.710B	0.400B	4
5	0B	0B	0 B	2.76B	20.9A	11.7	6.48	3.11	1.58	1.19	0.700B	0.390B	5
6	0B	0B	0 B	2.39B	20.5	44.9	6.38	3.57	1.60	1.17	0.690B	0.405B	6
7	0B	0B	0 B	2.35B	20.3	31.4	6.33	3.25	1.58	1.36	0.685B	0.300B	7
8	0B	0B	0 B	3.98B	20.0	19.7	6.14	2.97	1.56	1.44	0.678B	0.210B	8
9	0B	0B	0 B	4.45B	20.3	17.4	5.87	2.89	1.50	1.38	0.654B	0.195B	9
10	0B	0B	0 B	5.76B	20.0	16.0	5.55	2.82	1.45	1.58	0.636B	0.175B	10
11	0B	0B	0 B	7.58B	19.4	14.7	5.43	2.79	1.38	1.52	0.610B	0.165B	11
12	0B	0B	0 B	10.9 B	18.6	13.5	5.29	2.74	1.33	1.41	0.575B	0.180B	12
13	0B	0B	0 B	12.9 B	17.9	12.6	5.20	2.74	1.32	1.36	0.600B	0.190B	13
14	0B	0B	0 B	14.2	17.1	12.1	5.19	2.69	1.25	1.33	0.575B	0.170B	14
15	0B	0B	0 B	18.5	16.7	11.7	5.34	2.65	1.21	1.27	0.545B	0.172B	15
16	0B	0B	0.020B	15.6	16.3	11.4	5.34	2.59	1.15	1.24	0.580B	0.174B	16
17	0B	0B	0.040B	13.8	16.1	10.9	5.16	2.52	1.11	1.33	0.620B	0.176B	17
18	0B	0B	0.060B	12.7	15.9	10.6	5.07	2.49	1.08	1.28	0.570B	0.180B	18
19	0B	0B	0.078B	13.6	15.5	10.3	4.97	2.39	1.05	1.22	0.505B	0.170B	19
20	0B	0B	0.097B	15.6	15.1	10.2	4.96	2.29	1.05	1.18	0.450B	0.155B	20
21	0B	0B	0.115B	16.9	14.7	9.99	4.92	2.28	1.05	1.11	0.400B	0.140B	21
22	0B	0B	0.133B	17.4	14.3	9.65	4.82	2.25	1.03	1.08	0.410B	0.145B	22
23	0B	0B	0.152B	17.9	13.9	9.29	4.85	2.22	1.03	1.07	0.420B	0.150B	23
24	0B	0B	0.170B	18.3	13.5	8.90	4.68	2.14	1.04	1.03	0.410B	0.160B	24
25	0B	0B	0.050B	18.5	13.0	8.63	4.66	2.09	1.02	0.997	0.390B	0.150B	25
26	0B	0B	0.028B	18.8	12.7	8.45	4.53	2.02	1.03	0.966	0.370B	0.120B	26
27	0B	0B	0.016B	19.5	12.4	8.24	4.46	1.92	1.12	0.933	0.350B	0.125B	27
28	0B	0B	0.120B	20.3	12.0	7.92	4.22	1.89	1.41	0.927	0.330B	0.130B	28
29	0B		0.408B	21.2	11.6	7.70	4.08	1.83	1.29	0.912	0.310B	0.115B	29
30	0B		2.36 B	21.5	11.2	7.39	3.91	1.85	1.21	0.875	0.290B	0.100B	30
31	0B		6.61 B		10.8		3.73	1.85		0.836		0.105B	31
TOTAL	0	0	10.437	362.16	517.3	386.22	164.45	80.43	39.30	36.876	16.359	6.172	TOTAL
MEAN	0	0	0.337	12.1	16.7	12.9	5.30	2.59	1.31	1.19	0.545	0.199	MEAN
MAX	0	0	6.61	21.5	21.9	44.9	7.08	3.57	1.80	1.58	0.801	0.405	MAX
MIN	0	0	0	2.35	10.8	7.39	3.73	1.83	1.02	0.836	0.290	0.100	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.44
MAXIMUM DAILY, 44.9 ON JUN 6
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
50.5 AT 16:55 CST ON JUN 6

SUMMARY FOR THE YEAR 1982

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 53 N
LONG 98 16 00 W

DRAINAGE AREA, 7 510 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	14 200
FEB	0	AUG	6 950
MAR	902	SEP	3 400
APR	31 300	OCT	3 190
MAY	44 700	NOV	1 410
JUN	33 400	DEC	533

TOTAL DISCHARGE, 140 000 dam³

PIGEON RIVER AT OUTLET OF ROUND LAKE - STATION NO. 05RD008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	77.0B	64.8B	47.4B	41.5B	99.5B	184E	284E	178	112	80.7	64.0	47.3B	1
2	77.3B	64.2B	46.2B	41.3B	101 B	152E	241E	176	111	80.8	63.2	47.2B	2
3	80.3B	63.7B	46.2B	41.1B	103 B	159E	238E	175	110	80.3	62.1	47.3B	3
4	77.1B	62.1B	46.0B	40.8B	103 E	165E	235E	172	108	79.7	61.0	46.9B	4
5	77.0B	61.6B	45.7B	40.5B	107 E	170E	232E	172	107	80.0	60.1	46.8B	5
6	76.9B	62.1B	45.5B	40.3B	108 E	176E	229E	169	106	79.9	59.5	46.7B	6
7	75.0B	61.9B	44.3B	40.2B	108 E	183E	226E	166	104	80.0	59.2	46.5B	7
8	74.8B	61.3B	44.2B	40.0B	108 E	190E	223E	163	103	79.7	58.6	46.4B	8
9	74.1B	60.6B	44.2B	39.8B	107 E	196E	220E	159	102	79.0	57.9	46.2B	9
10	74.2B	60.2B	43.3B	39.6B	107 E	201E	217E	156	100	78.3	57.2	46.1B	10
11	74.1B	59.4B	42.7B	39.8B	107 E	206E	214E	153	99.3	78.3	56.4	46.0B	11
12	74.4B	57.8B	43.0B	40.1B	106 E	212E	210E	151	97.8	78.4	55.3	45.9B	12
13	75.8B	57.8B	44.2B	41.0B	106 E	218E	208E	149	96.4	77.4	54.5	45.8B	13
14	76.2B	57.9B	43.4B	41.9B	106 E	222E	205E	146	95.0	76.6	54.1	45.7B	14
15	73.7B	57.5B	44.2B	42.8B	106 E	226E	203E	144	93.9	75.2	53.0	45.6B	15
16	72.8B	57.3B	44.8B	43.9B	106 E	230E	207E	140	92.8	74.2	52.4	45.3B	16
17	72.5B	59.5B	45.3B	45.1B	107 E	234E	206E	137	92.0	73.9	51.9	45.2B	17
18	71.4B	60.3B	44.8B	46.3B	108 E	236E	203E	139	90.5	73.9	51.2	45.1B	18
19	70.5B	59.8B	44.4B	47.5B	108 E	239E	199E	138	89.6	73.9	50.6	44.9B	19
20	69.8B	58.4B	44.4B	48.7B	108 E	241E	197E	134	88.6	73.5	50.5	44.9B	20
21	68.9B	56.6B	44.5B	50.8B	109 E	244E	194E	131	87.7	72.6	50.5	44.7B	21
22	68.6B	54.8B	44.2B	57.8B	111 E	246E	192E	129	86.7	71.7	49.8	44.5B	22
23	68.6B	52.4B	44.6B	65.4B	112 E	248E	190E	127	85.7	70.8	49.1	44.5B	23
24	68.3B	50.9B	44.5B	73.5B	113 E	249E	189E	125	84.9	69.9	48.5	44.3B	24
25	68.2B	48.9B	44.0B	77.8B	114 E	250E	187E	123	83.5	68.9	47.8	44.2B	25
26	67.8B	48.8B	43.6B	82.5B	116 E	251E	186E	120	82.5	68.0	47.1	44.1B	26
27	68.1B	48.0B	43.3B	86.5B	119 E	251E	185E	118	81.5	67.0	46.6B	44.0B	27
28	66.3B	48.1B	42.9B	91.1B	123 E	250E	183E	117	80.7	66.2	47.0B	43.8B	28
29	65.5B		42.5B	94.7B	128 E	249E	184	116	80.7	66.2	47.5B	43.8B	29
30	65.6B		42.1B	97.9B	133 E	247E	184	114	80.7	66.0	47.4B	43.4B	30
31	65.0B		41.8B		138 E		181	112		64.9		42.8B	31
TOTAL	2 235.8	1 616.7	1 373.8	1 620.2	3 435.5	6 485	6 410	4 449	2 833.5	2 305.9	1 614.0	1 405.6	TOTAL
MEAN	72.1	57.7	44.3	54.0	111	216	207	144	94.5	74.4	53.8	45.3	MEAN
MAX	80.3	64.8	47.4	97.9	138	251	244	178	112	80.8	64.0	47.3	MAX
MIN	65.0	48.0	41.8	39.6	99.5	144	181	112	80.7	64.9	46.6	42.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 98.0
MAXIMUM DAILY, 251E ON JUN 26
MINIMUM DAILY, 39.6B ON APR 10

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 49 N
LONG 96 23 37 W

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	193 000	JUL	554 000
FEB	140 000	AUG	384 000
MAR	119 000	SEP	245 000
APR	140 000	OCT	199 000
MAY	297 000	NOV	139 000
JUN	560 000	DEC	121 000

TOTAL DISCHARGE, 3 090 000 dam³

PILOT CREEK NEAR PILOT MOUND - STATION NO. 05OB025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.448B	0.001	0	0.001	0	0	0	---	---	1
2	---	---	0 B	0.270B	0.010	0	0.001	0	0	0	---	---	2
3	---	---	0 B	0.218B	0.019	0	0.001	0	0	0	---	---	3
4	---	---	0 B	0.197B	0.004	0	0.001	0	0	0	---	---	4
5	---	---	0 B	0.195B	0.002	0	0.001	0	0	0	---	---	5
6	---	---	0 B	0.197B	0.003	0	0	0.313	0	0	---	---	6
7	---	---	0 B	0.216B	0.001	0	0	0	0	0	---	---	7
8	---	---	0 B	0.302B	0.001	0	0	0	0	0	---	---	8
9	---	---	0 B	0.401B	0.001	0.005	0	0	0	0	---	---	9
10	---	---	0 B	0.457B	0.004	0.001	0	0	0	0	---	---	10
11	---	---	0 B	0.639B	0.010	0	0	0	0	0	---	---	11
12	---	---	0 B	1.47	0.016	0	0	0	0	0	---	---	12
13	---	---	0 B	1.06	0.018	0	0	0	0	0	---	---	13
14	---	---	0 B	0.710	0.021	0	0	0	0	0	---	---	14
15	---	---	0 B	0.616	0.024	0	0	0	0	0	---	---	15
16	---	---	0 B	0.451	0.031	0	0	0	0	0	---	---	16
17	---	---	0 B	0.288	0.032	0	0	0	0	0	---	---	17
18	---	---	0 B	0.211	0.054	0	0	0	0	0	---	---	18
19	---	---	0 B	0.075	0.042	0	0	0	0	0	---	---	19
20	---	---	0 B	0.075	0.034	0	0	0	0	0	---	---	20
21	---	---	0 B	0.067	0.019	0	0	0	0	0	---	---	21
22	---	---	0 B	0.055	0.018	0	0	0	0	0	---	---	22
23	---	---	0 B	0.050	0.021	0	0	0	0	0	---	---	23
24	---	---	0 B	0.046	0.010	0	0	0	0	0	---	---	24
25	---	---	0 B	0.036	0.004	0	0	0	0	0	---	---	25
26	---	---	0 B	0.027	0.002	0	0	0	0	0	---	---	26
27	---	---	0 B	0.022	0.004	0	0	0	0	0	---	---	27
28	---	---	0 B	0.022	0.004	0	0	0	0	0	---	---	28
29	---		0.030B	0.034	0.005	0.001	0	0	0	0	---	---	29
30	---		0.529B	0.002	0.002	0.001	0	0	0	0	---	---	30
31	---		0.459B		0.001		0	0		0		---	31
TOTAL	---	---	1.018	8.857	0.418	0.008	0.005	0.313	0	0	---	---	TOTAL
MEAN	---	---	0.033	0.295	0.013	0	0	0.010	0	0	---	---	MEAN
MAX	---	---	0.529	1.47	0.054	0.005	0.001	0.313	0	0	---	---	MAX
MIN	---	---	0	0.002	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.043
MAXIMUM DAILY, 1.47 ON APR 12
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.85 AT 19:13 CST ON APR 12

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 34 N
LONG 98 57 06 W
DRAINAGE AREA, 147 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.83
FEB	---	AUG	27.0
MAR	88.0	SEP	0
APR	765	OCT	0
MAY	36.1	NOV	---
JUN	0.69	DEC	---

TOTAL DISCHARGE, 917 dam³

PINE CREEK DIVERSION NEAR PINEY - STATION NO. 05OD027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.209B	0.067B	0.132B	2.74 B	1.04	0.369	0.237	0.416	0.246	0.622	0.512	0.672B	1
2	0.201B	0.060B	0.151B	2.45 B	0.950	0.425	0.246	0.358	0.246	0.746	0.519	1.68 B	2
3	0.194B	0.053B	0.170B	2.18 B	1.02	0.322	0.401	0.315	0.237	0.923	0.566	2.79 B	3
4	0.186B	0.046B	0.195B	2.22 B	1.16	0.293	0.410	0.252	0.318	0.821	0.531B	2.33 B	4
5	0.179B	0.038B	0.205B	1.97 B	1.24	0.271	0.949	0.219	0.206	0.845	0.541B	2.24 B	5
6	0.165B	0.031B	0.210B	1.89 B	1.07	0.319	1.83	0.204	0.196	0.805	0.523B	2.09 B	6
7	0.181B	0.024B	0.213B	1.91 B	0.938	0.912	1.27	0.607	0.188	3.46	0.473B	1.50 B	7
8	0.175B	0.017B	0.215B	2.03 B	0.843	0.771	0.872	0.434	0.240	3.87	0.447B	0.983B	8
9	0.161B	0.010B	0.217B	2.61 B	0.953	0.923	0.633	0.404	0.230	2.71	0.519B	0.767B	9
10	0.147B	0.015B	0.221B	3.23 B	1.43	1.69	0.519	0.329	0.164	2.84	0.545B	0.726B	10
11	0.166B	0.020B	0.225B	3.99 B	1.72	1.35	0.434	0.252	0.159	3.76	0.523B	0.696B	11
12	0.195B	0.024B	0.227B	6.06 B	1.50	0.974	0.364	0.215	0.172	3.43	0.510B	0.387B	12
13	0.228B	0.029B	0.231B	6.77 B	1.25	0.744	0.312	0.202	0.245	2.57	0.355B	0.480B	13
14	0.245B	0.034B	0.234B	6.61 B	1.17	0.718	0.319	0.187	0.284	2.05	0.340B	0.522B	14
15	0.198B	0.039B	0.260B	7.28 B	1.37	0.570	0.309	0.178	0.249	1.65	0.405B	0.552B	15
16	0.181B	0.043B	0.265B	7.00 B	1.84	0.482	0.293	0.165	0.230	1.32	0.437B	0.526B	16
17	0.173B	0.048B	0.245B	5.28 B	2.04	0.458	0.330	0.148	0.215	1.21	0.430B	0.375B	17
18	0.166B	0.011B	0.240B	3.48	1.93	0.384	0.422	0.228	0.224	1.17	0.471B	0.348B	18
19	0.159B	0.036B	0.252B	2.95	1.88	0.387	0.332	0.865	0.211	1.09	0.515B	0.341B	19
20	0.152B	0.153B	0.255B	1.82	1.47	0.495	0.288	0.487	0.214	0.950	0.757B	0.324B	20
21	0.144B	0.143B	0.258B	1.49	1.17	0.488	0.264	0.365	0.210	0.833	0.989B	0.233B	21
22	0.137B	0.108B	0.263B	1.38	0.967	0.565	0.236	0.434	0.201	0.770	0.713B	0.177B	22
23	0.130B	0.055B	0.267B	1.30	0.824	0.396	0.221	0.395	0.199	0.741	0.563B	0.213B	23
24	0.123B	0.043B	0.270B	1.31	0.734	0.369	0.588	0.320	0.206	0.729	0.480B	0.256B	24
25	0.116B	0.065B	0.275B	1.32	0.677	0.347	0.675	0.286	0.203	0.714	0.529B	0.252B	25
26	0.108B	0.078B	0.278B	1.17	0.608	0.313	0.440	0.272	0.199	0.744	0.525B	0.208B	26
27	0.101B	0.109B	0.642B	1.03	0.531	0.287	0.362	0.260	0.211	0.633	0.525B	0.170B	27
28	0.094B	0.125B	1.07 B	0.994	0.478	0.268	0.491	0.253	0.830	0.608	0.603B	0.143B	28
29	0.087B		1.55 B	0.910	0.408	0.273	0.518	0.249	1.20	0.593	0.631B	0.099B	29
30	0.082B		2.02 B	0.970	0.383	0.255	0.655	0.237	0.838	0.568	0.632B	0.064B	30
31	0.074B		2.65 B		0.334		0.524	0.231		0.528		0.055B	31
TOTAL	4.829	1.524	13.922	85.644	33.888	16.398	15.744	9.807	8.671	44.283	16.089	21.999	TOTAL
MEAN	0.156	0.054	0.449	2.85	1.09	0.547	0.508	0.316	0.289	1.43	0.536	0.710	MEAN
MAX	0.245	0.153	2.65	7.28	2.04	1.69	1.83	0.865	1.20	3.87	0.989	2.79	MAX
MIN	0.074	0.010	0.132	0.910	0.334	0.255	0.221	0.148	0.159	0.528	0.340	0.055	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.747
MAXIMUM DAILY, 7.28B ON APR 15
MINIMUM DAILY, 0.010B ON FEB 9
MAXIMUM INSTANTANEOUS,
8.30B AT 22:37 CST ON APR 15

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 25 N
LONG 95 58 40 W
DRAINAGE AREA, 156 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	417	JUL	1 360
FEB	132	AUG	847
MAR	1 200	SEP	749
APR	7 400	OCT	3 830
MAY	2 930	NOV	1 390
JUN	1 420	DEC	1 900

TOTAL DISCHARGE, 23 600 dam³

PINE CREEK NEAR MELBOURNE - STATION NO. 05LL014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.083B	0.097B	0.118B	0.498B	0.306	0.109	0.066	0.092	0.119	0.229	0.240	0.122B	1
2	0.087B	0.096B	0.116B	0.499B	0.229	0.126	0.175	0.090	0.132	0.306	0.222	0.121B	2
3	0.089B	0.098B	0.116B	0.423B	0.126	0.151	0.118	0.068	0.133	0.322	0.201	0.122B	3
4	0.090B	0.098B	0.114B	0.339B	0.107	0.133	0.080	0.120	0.139	0.251	0.167	0.120B	4
5	0.093B	0.098B	0.113B	0.288B	0.111	0.120	0.128	0.050	0.127	0.219	0.138	0.119B	5
6	0.093B	0.099B	0.111B	0.246B	0.153	0.164	0.225	0.044	0.142	0.207	0.118	0.117B	6
7	0.094B	0.097B	0.109B	0.236B	0.224	0.269	0.312	0.078	0.164	0.212	0.109	0.116B	7
8	0.093B	0.098B	0.109B	0.257B	0.202	0.341	0.213	0.059	0.172	0.208	0.103B	0.118B	8
9	0.093B	0.100B	0.111B	0.242B	0.171	0.361	0.415	0.058	0.187	0.272	0.132B	0.117B	9
10	0.092B	0.101B	0.109B	0.243B	0.197	0.322	0.370	0.064	0.197	0.403	0.202B	0.115B	10
11	0.093B	0.097B	0.110B	0.451	0.212	0.286	0.205	0.071	0.195	0.463	0.186B	0.114B	11
12	0.094B	0.097B	0.113B	0.666	0.215	0.226	0.118	0.051	0.190	0.420	0.179B	0.113B	12
13	0.095B	0.100B	0.110B	0.790	0.283	0.196	0.153	0.051	0.185	0.325	0.168B	0.115B	13
14	0.097B	0.104B	0.120B	1.10	0.302	0.163	0.158	0.051	0.187	0.271	0.161B	0.115B	14
15	0.095B	0.102B	0.145B	1.37	0.321	0.128	0.144	0.083	0.190	0.236	0.154B	0.116B	15
16	0.096B	0.106B	0.154B	1.22	0.358	0.114	0.563	0.083	0.197	0.221	0.149B	0.115B	16
17	0.097B	0.108B	0.136B	1.11	0.373	0.122	0.983	0.082	0.180	0.323	0.145B	0.116B	17
18	0.095B	0.107B	0.129B	0.934	0.339	0.178	1.29	0.096	0.176	0.305	0.140B	0.114B	18
19	0.092B	0.110B	0.128B	0.746	0.352	0.162	1.19	0.118	0.175	0.209	0.136B	0.119B	19
20	0.091B	0.109B	0.128B	0.612	0.329	0.129	0.837	0.145	0.194	0.146	0.129B	0.124B	20
21	0.090B	0.116B	0.128B	0.521	0.332	0.119	0.570	0.161	0.183	0.131	0.127B	0.124B	21
22	0.092B	0.117B	0.133B	0.456	0.309	0.133	0.394	0.197	0.170	0.129	0.126B	0.128B	22
23	0.093B	0.115B	0.139B	0.438	0.273	0.186	0.336	0.177	0.174	0.143	0.126B	0.129B	23
24	0.093B	0.116B	0.145B	0.468	0.256	0.143	0.259	0.181	0.176	0.144	0.125B	0.123B	24
25	0.093B	0.116B	0.148B	0.383	0.291	0.145	0.198	0.196	0.165	0.139	0.124B	0.126B	25
26	0.095B	0.117B	0.142B	0.287	0.246	0.106	0.188	0.203	0.178	0.130	0.124B	0.123B	26
27	0.093B	0.118B	0.143B	0.219	0.237	0.085	0.115	0.185	0.179	0.177	0.122B	0.117B	27
28	0.094B	0.121B	0.211B	0.212	0.214	0.086	0.264	0.094	0.348	0.188	0.123B	0.117B	28
29	0.095B		0.281B	0.314	0.196	0.132	0.156	0.105	0.348	0.211	0.122B	0.121B	29
30	0.096B		0.344B	0.421	0.192	0.082	0.098	0.111	0.277	0.258	0.122B	0.120B	30
31	0.098B		0.309B		0.152		0.108	0.121		0.206		0.120B	31
TOTAL	2.883	2.956	4.522	15.983	7.606	5.015	10.377	3.245	5.563	7.468	4.418	3.700	TOTAL
MEAN	0.093	0.106	0.146	0.533	0.245	0.167	0.335	0.105	0.185	0.241	0.147	0.119	MEAN
MAX	0.098	0.121	0.344	1.37	0.373	0.361	1.29	0.203	0.348	0.463	0.240	0.129	MAX
MIN	0.083	0.096	0.109	0.212	0.107	0.082	0.066	0.044	0.119	0.129	0.103	0.113	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.202
MAXIMUM DAILY, 1.37 ON APR 15
MINIMUM DAILY, 0.044 ON AUG 6
MAXIMUM INSTANTANEOUS,
1.75 AT 10:51 CST ON APR 17

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 00 N
LONG 99 12 30 W
DRAINAGE AREA, 293 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	248	JUL	897
FEB	255	AUG	280
MAR	391	SEP	481
APR	1 380	OCT	645
MAY	657	NOV	382
JUN	433	DEC	330

TOTAL DISCHARGE, 6 370 dam³

PINE CREEK NEAR PINE CREEK STATION - STATION NO. 05LL007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.425B	2.02B	1.12	0.805	---	---	---	---	---	---	1
2	---	---	0.425B	2.01B	1.11	0.776	---	---	---	---	---	---	2
3	---	---	0.425B	2.01B	1.12	0.755	---	---	---	---	---	---	3
4	---	---	0.425B	2.01B	1.08	0.753	---	---	---	---	---	---	4
5	---	---	0.425B	2.00B	1.07	0.684	---	---	---	---	---	---	5
6	---	---	0.425B	2.00B	0.933	0.710	---	---	---	---	---	---	6
7	---	---	0.425B	1.99B	0.872	0.861	---	---	---	---	---	---	7
8	---	---	0.425B	1.99B	0.873	1.21	---	---	---	---	---	---	8
9	---	---	0.425B	2.00B	0.891	1.24	---	---	---	---	---	---	9
10	---	---	0.425B	2.00B	0.955	1.19	---	---	---	---	---	---	10
11	---	---	0.425B	2.07B	1.10	1.08	---	---	---	---	---	---	11
12	---	---	0.425B	4.10B	1.34	0.961	---	---	---	---	---	---	12
13	---	---	0.425B	5.18B	1.32	0.854	---	---	---	---	---	---	13
14	---	---	0.425B	6.64B	1.22	0.801	---	---	---	---	---	---	14
15	---	---	0.425B	7.80B	1.19	0.787	---	---	---	---	---	---	15
16	---	---	0.425B	6.85B	1.37	0.779	---	---	---	---	---	---	16
17	---	---	0.425B	6.08B	1.74	0.702	---	---	---	---	---	---	17
18	---	---	0.425B	5.28B	2.17	0.652	---	---	---	---	---	---	18
19	---	---	0.425B	4.93B	2.08	0.666	---	---	---	---	---	---	19
20	---	---	0.425B	2.95B	1.79	0.658	---	---	---	---	---	---	20
21	---	---	0.425B	2.39B	1.55	0.728	---	---	---	---	---	---	21
22	---	---	0.425B	2.31B	1.41	0.745	---	---	---	---	---	---	22
23	---	---	0.425B	2.07B	1.28	0.708	---	---	---	---	---	---	23
24	---	---	0.425B	1.88	1.19	0.728	---	---	---	---	---	---	24
25	---	---	0.425B	1.75	1.14	0.738	---	---	---	---	---	---	25
26	---	---	0.425B	1.66	1.08	0.797	---	---	---	---	---	---	26
27	---	---	0.425B	1.59	0.997	0.734	---	---	---	---	---	---	27
28	---	---	0.425B	1.41	1.03	0.699	---	---	---	---	---	---	28
29	---		0.568B	1.31	0.979	0.626	---	---	---	---	---	---	29
30	---		1.25 B	1.19	0.936	0.581	---	---	---	---	---	---	30
31	---		2.01 B		0.870		---	---		---		---	31
TOTAL	---	---	15.728	90.25	37.786	24.008	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.507	3.01	1.22	0.800	---	---	---	---	---	---	MEAN
MAX	---	---	2.01	7.80	2.17	1.24	---	---	---	---	---	---	MAX
MIN	---	---	0.425	1.19	0.870	0.581	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.38
MAXIMUM DAILY, 7.80B ON APR 15
MINIMUM DAILY, 0.425B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 03 40 N
LONG 98 56 49 W
DRAINAGE AREA, 635 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	1 360	SEP	---
APR	7 800	OCT	---
MAY	3 260	NOV	---
JUN	2 070	DEC	---

TOTAL DISCHARGE, 14 500 dam³

PINE RIVER NEAR PINE RIVER - STATION NO. 05LG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.020B	0.124B	1.39	0.776	0.243	2.19	0.151	1.63	---	---	1
2	---	---	0.020B	0.114B	1.33	0.707	0.233	2.02	0.170	1.62	---	---	2
3	---	---	0.020B	0.096B	1.32	0.639	0.316	2.32	0.163	1.54	---	---	3
4	---	---	0.020B	0.088B	1.33	0.616	0.346	2.21	0.138	1.58	---	---	4
5	---	---	0.020B	0.064B	1.32	0.528	0.303	1.92	0.124	1.56	---	---	5
6	---	---	0.020B	0.049B	1.01	0.502	0.313	1.62	0.127	1.47	---	---	6
7	---	---	0.020B	0.033B	0.773	0.455	0.281	1.34	0.142	1.44	---	---	7
8	---	---	0.020B	0.026B	0.647	0.417	0.244	1.15	0.145	1.34	---	---	8
9	---	---	0.023B	0.030B	0.586	0.420	0.229	0.986	0.128	1.27	---	---	9
10	---	---	0.025B	0.040B	0.656	0.385	0.230	0.786	0.117	1.37	---	---	10
11	---	---	0.025B	0.050B	0.856	0.347	0.236	0.621	0.122	1.45	---	---	11
12	---	---	0.027B	0.641B	0.905	0.324	0.218	0.515	0.133	1.46	---	---	12
13	---	---	0.027B	0.701B	0.892	0.370	0.207	0.498	0.133	1.44	---	---	13
14	---	---	0.027B	0.593B	0.847	0.337	0.201	0.506	0.124	1.39	---	---	14
15	---	---	0.027B	0.880B	0.806	0.298	0.191	0.486	0.122	1.33	---	---	15
16	---	---	0.027B	0.737B	0.808	0.284	0.340	0.463	0.120	1.26	---	---	16
17	---	---	0.027B	0.779B	0.982	0.287	12.9	0.425	0.128	1.26	---	---	17
18	---	---	0.027B	0.822B	1.32	0.272	16.0	0.392	0.129	1.24	---	---	18
19	---	---	0.027B	0.854B	1.32	0.263	9.92	0.361	0.124	1.18	---	---	19
20	---	---	0.030B	0.971B	1.26	0.312	6.58	0.314	0.123	1.12	---	---	20
21	---	---	0.032B	1.08 B	1.17	0.338	4.46	0.274	0.283	1.05	---	---	21
22	---	---	0.032B	1.16 B	1.07	0.319	3.26	0.234	0.552	1.05	---	---	22
23	---	---	0.035B	1.25 B	0.997	0.316	2.56	0.198	0.588	1.00	---	---	23
24	---	---	0.035B	1.50 B	0.886	0.416	1.99	0.164	0.612	0.979	---	---	24
25	---	---	0.035B	1.54 B	0.817	0.457	1.53	0.157	0.630	0.955	---	---	25
26	---	---	0.035B	1.50 B	0.758	0.438	1.23	0.153	0.636	0.920	---	---	26
27	---	---	0.035B	1.81 B	0.693	0.383	1.49	0.140	0.669	0.892	---	---	27
28	---	---	0.046B	1.77	0.661	0.318	2.04	0.135	1.04	0.946B	---	---	28
29	---		0.056B	1.88	0.656	0.276	6.00	0.149	2.24	1.05 B	---	---	29
30	---		0.074B	1.65	0.738	0.255	4.19	0.145	1.79	0.944B	---	---	30
31	---		0.128B		0.814		2.93	0.143		0.898B		---	31
TOTAL	---	---	1.022	22.828	29.618	12.055	81.211	22.975	11.663	38.634	---	---	TOTAL
MEAN	---	---	0.033	0.761	0.955	0.402	2.62	0.741	0.389	1.25	---	---	MEAN
MAX	---	---	0.128	1.88	1.39	0.776	16.0	2.32	2.24	1.63	---	---	MAX
MIN	---	---	0.020	0.026	0.586	0.255	0.191	0.135	0.117	0.892	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.898
MAXIMUM DAILY, 16.0 ON JUL 18
MINIMUM DAILY, 0.020B ON MAR 1
MAXIMUM INSTANTANEOUS,
31.6 AT 14:39 CST ON JUL 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 49 00 N
LONG 100 32 00 W
DRAINAGE AREA, 210 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 020
FEB	---	AUG	1 990
MAR	88.3	SEP	1 010
APR	1 970	OCT	3 340
MAY	2 560	NOV	---
JUN	1 040	DEC	---

TOTAL DISCHARGE, 19 000 dam³

PIPESTONE CREEK NEAR PIPESTONE - STATION NO. 05MG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	0.621B	0.556	0.512	0.004	0.002	0.002	0.013	0.032	0.026B	1
2	0B	0B	0 B	1.13 B	0.481	0.459	0.004	0.004	0.003	0.012	0.039	0.040B	2
3	0B	0B	0 B	1.72 B	0.938	0.370	0.004	0.003	0.003	0.009	0.038	0.050B	3
4	0B	0B	0 B	2.28 B	1.36	0.275	0.005	0.002	0.003	0.008	0.035	0.064B	4
5	0B	0B	0 B	2.86 B	1.43	0.213	0.004	0.002	0.003	0.007	0.036	0.054B	5
6	0B	0B	0 B	3.44 B	1.58	0.174	0.003	0.002	0.007	0.012	0.037	0.059B	6
7	0B	0B	0 B	4.01 B	1.74	0.178	0.003	0.003	0.007	0.014	0.038	0.063B	7
8	0B	0B	0 B	4.57 B	1.41	0.112	0.003	0.004	0.007	0.011	0.034	0.068B	8
9	0B	0B	0 B	5.15 B	1.35	0.111	0.004	0.004	0.005	0.013	0.031	0.073B	9
10	0B	0B	0 B	5.73 B	1.31	0.109A	0.003	0.003	0.005	0.020	0.028	0.077B	10
11	0B	0B	0 B	6.38 B	1.04	0.092	0.003	0.002	0.005	0.025	0.029	0.082B	11
12	0B	0B	0 B	6.87 B	0.939	0.073	0.004	0.002	0.006	0.030	0.033	0.069B	12
13	0B	0B	0 B	7.46 B	1.01	0.059	0.004	0.003	0.008	1.23	0.031	0.057B	13
14	0B	0B	0 B	8.05 B	0.971	0.052	0.003	0.009	0.010	1.53	0.030	0.094B	14
15	0B	0B	0 B	7.37 B	0.869	0.039	0.003	0.019	0.007	1.34	0.028	0.013B	15
16	0B	0B	0 B	11.5	0.852	0.029	0.039	0.018	0.008	1.21	0.025	0.003B	16
17	0B	0B	0 B	23.7	0.907	0.022	0.091	0.013	0.008	1.19	0.023	0.003B	17
18	0B	0B	0 B	34.6	0.983	0.019	0.050	0.015	0.005	1.11	0.025	0.002B	18
19	0B	0B	0 B	29.7	0.969	0.017	0.022	0.010	0.005	0.774	0.023	0.002B	19
20	0B	0B	0 B	24.2	0.881	0.014	0.011	0.005	0.007	0.361	0.025B	0.002B	20
21	0B	0B	0 B	18.3	0.863	0.013	0.004	0.006	0.006	0.197	0.034B	0.002B	21
22	0B	0B	0 B	13.2	0.834	0.011	0.005	0.006	0.006	0.119	0.035B	0.002B	22
23	0B	0B	0 B	9.86	0.814	0.010	0.005	0.003	0.015	0.073	0.033B	0.002B	23
24	0B	0B	0 B	7.47	0.882	0.008	0.005	0.003	0.010	0.051	0.031B	0.002B	24
25	0B	0B	0 B	3.36	0.822	0.006	0.006	0.003	0.008	0.036	0.044B	0.002B	25
26	0B	0B	0 B	1.73	0.784	0.005	0.005	0.003	0.005	0.027	0.031B	0.003B	26
27	0B	0B	0 B	1.18	0.741	0.004	0.003	0.003	0.008	0.023	0.024B	0.005B	27
28	0B	0B	0 B	0.890	0.660	0.005	0.003	0.003	0.023	0.050	0.034B	0.030B	28
29	0B		0.018B	0.747	0.723	0.005	0.003	0.003	0.022	0.069	0.024B	0.021B	29
30	0B		0.096B	0.644	0.663	0.004	0.002	0.003	0.016	0.051	0.027B	0.001B	30
31	0B		0.287B		0.602		0.002	0.003		0.034		0.023B	31
TOTAL	0	0	0.401	248.642	29.964	3.000	0.310	0.164	0.233	9.629	0.937	0.982	TOTAL
MEAN	0	0	0.013	8.29	0.967	0.100	0.010	0.005	0.008	0.311	0.031	0.032	MEAN
MAX	0	0	0.287	34.6	1.74	0.512	0.091	0.019	0.023	1.53	0.044	0.094	MAX
MIN	0	0	0	0.621	0.481	0.004	0.002	0.002	0.002	0.007	0.023	0.001	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.806
MAXIMUM DAILY, 34.6 ON APR 18
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
37.6 AT 12:14 CST ON APR 18

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 40 N
LONG 100 56 30 W
DRAINAGE AREA, 4 200 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	26.8
FEB	0	AUG	14.2
MAR	34.6	SEP	20.1
APR	21 500	OCT	832
MAY	2 590	NOV	81.0
JUN	259	DEC	84.8

TOTAL DISCHARGE, 25 400 dam³

PIPESTONE CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05MG024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	0.005	0.003	0.029B	0.059B	1
2	---	---	0B	---	---	---	---	---	0.005	0.003	0.021B	0.076B	2
3	---	---	0B	---	---	0.182A	---	---	0.004	0.003	0.013B	0.083B	3
4	---	---	0B	---	---	---	---	---	0.002	0.003	0.017B	0.088B	4
5	---	---	0B	---	---	---	---	0.288A	0.002	0.003	0.008B	0.087B	5
6	---	---	0B	0.054B	---	---	---	0.244	0.002	0.004	0.006B	0.082B	6
7	---	---	0B	---	---	---	0A	0.218	0.003	0.556	0.005B	0.074B	7
8	---	---	0B	---	---	---	---	0.179	0.003	1.15	0.005B	0.069B	8
9	---	---	0B	---	---	---	---	0.210	0.003	1.35	0.005B	0.065B	9
10	---	---	0B	---	---	---	---	0.305	0.003	1.51	0.004B	0.064B	10
11	---	---	0B	---	---	---	---	0.236	0.002	1.38	0.004B	0.082B	11
12	---	---	0B	---	---	---	---	0.193	0.001	1.22	0.003B	0.075B	12
13	---	---	0B	---	---	---	---	0.160	0.001	1.17	0.002B	0.092B	13
14	---	---	0B	13.6 B	---	---	---	0.154	0	1.16	0.018B	0.092B	14
15	---	---	0B	---	---	---	---	0.160	0	1.15	0.053B	0.107B	15
16	---	---	0B	---	---	---	---	0.184	0	0.559	0.053B	0.102B	16
17	---	---	0B	---	---	---	---	0.186	0	0.276	0.057B	0.107B	17
18	---	---	0B	---	---	---	---	0.165	0	0.187	0.056B	0.098B	18
19	---	---	0B	---	---	---	---	0.134	0	0.141	0.059B	0.098B	19
20	---	---	0B	---	---	---	---	0.147	0	0.117	0.064B	0.097B	20
21	---	---	0B	---	---	---	---	0.133	0	0.098	0.054B	0.094B	21
22	---	---	0B	---	---	---	---	0.101	0	0.073	0.051B	0.094B	22
23	---	---	---	---	---	---	---	0.084	0	0.066	0.046B	0.093B	23
24	---	---	---	---	---	---	---	0.073	0	0.067	0.043B	0.093B	24
25	---	---	---	---	---	---	---	0.065	0	0.061	0.043B	0.093B	25
26	---	---	---	---	---	---	---	0.057	0	0.022	0.048B	0.092B	26
27	---	---	---	---	---	---	---	0.043	0	0.004	0.046B	0.092B	27
28	---	---	---	0.349A	---	---	0A	0.032	0.003	0.007B	0.056B	0.092B	28
29	---		---	---	---	---	---	0.020	0.005	0.005B	0.060B	0.091B	29
30	---		---	---	---	---	---	0.010	0.004	0.022B	0.059B	0.091B	30
31	---		---		---		---	0.006		0.034B		0.091B	31
TOTAL	---	---	---	---	---	---	---	---	0.048	12.400	0.988	2.733	TOTAL
MEAN	---	---	---	---	---	---	---	---	0.002	0.400	0.033	0.088	MEAN
MAX	---	---	---	---	---	---	---	---	0.005	1.51	0.064	0.107	MAX
MIN	---	---	---	---	---	---	---	---	0	0.003	0.002	0.059	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 0B ON MAR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 11 N
LONG 101 26 52 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	6.15
APR	---	OCT	1 070
MAY	---	NOV	85.4
JUN	---	DEC	236

REMARKS - ONLY MISCELLANEOUS MEASUREMENTS AVAILABLE BEFORE AUG 05

PLEASANT VALLEY CREEK NEAR GRANDVIEW - STATION NO. 05LJ031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.150B	0.215B	0.052E	0.008	0E	0	0 E	2.10 E	---	---	1
2	---	---	0.150B	0.188B	0.056E	0.008	0E	0	0 E	0.830E	---	---	2
3	---	---	0.150B	0.161B	0.125E	0.011	0E	0	0 E	0.643E	---	---	3
4	---	---	0.150B	0.150B	0.099A	0.008	0E	0	0.001E	0.335E	---	---	4
5	---	---	0.150B	0.150B	0.015	0.006	0E	0	0.005E	0.270E	---	---	5
6	---	---	0.150B	0.150B	0.008	0.005	0E	0	0.004E	0.226E	---	---	6
7	---	---	0.150B	0.150B	0.012	0.004	0E	0.001	0.003E	0.188E	---	---	7
8	---	---	0.150B	0.150B	0.008	0.003	0E	0	0.002E	0.161E	---	---	8
9	---	---	0.150B	0.150B	0.005	0.002	0E	0	0.001E	0.215E	---	---	9
10	---	---	0.150B	0.150B	0.007	0.001	0E	0	0.001E	0.303E	---	---	10
11	---	---	0.150B	0.215B	0.007	0.001	0E	0	0 E	0.405E	---	---	11
12	---	---	0.150B	0.405B	0.005	0.002	0E	0	0 E	0.303E	---	---	12
13	---	---	0.150B	0.830B	0.005	0.002	0E	0	0 E	0.243E	---	---	13
14	---	---	0.150B	1.21 B	0.008	0.001	0E	0.004	0 E	0.188E	---	---	14
15	---	---	0.150B	0.700B	0.008	0.001	0E	0.009	0 E	0.161E	---	---	15
16	---	---	0.150B	0.303B	0.009	0.001	0E	0.016	0 E	0.150E	---	---	16
17	---	---	0.150B	0.254B	0.010	0	0E	0.007	0 E	0.405E	---	---	17
18	---	---	0.150B	0.226B	0.010	0.001	0E	0.006A	0 E	0.580E	---	---	18
19	---	---	0.150B	0.204B	0.010	0	0E	0.005E	0 E	0.443E	---	---	19
20	---	---	0.150B	0.188B	0.009	0.001	0E	0.004E	0 E	0.270E	---	---	20
21	---	---	0.150B	0.177B	0.008	0.001	0A	0.003E	0 A	0.161E	---	---	21
22	---	---	0.150B	0.161A	0.007	0	0	0.002E	0	0.125E	---	---	22
23	---	---	0.150B	0.147E	0.007	0 A	0	0.001E	0	0.095E	---	---	23
24	---	---	0.150B	0.132E	0.007	0 E	0	0.001E	0	0.075E	---	---	24
25	---	---	0.150B	0.125E	0.007	0 E	0	0.001A	0	0.067E	---	---	25
26	---	---	0.150B	0.113E	0.006	0 E	0	0	0.044A	0.063E	---	---	26
27	---	---	0.150B	0.101E	0.006	0 E	0	0	0.125E	0.060A	---	---	27
28	---	---	0.161B	0.091E	0.017	0 E	0	0	0.215E	0.057E	---	---	28
29	---		0.226B	0.075E	0.013	0 E	0	0	0.405E	0.056E	---	---	29
30	---		0.270B	0.067E	0.011	0 E	0	0	0.830E	0.054E	---	---	30
31	---		0.243B		0.011		0	0		0.053E		---	31
TOTAL	---	---	4.950	7.338	0.568	0.067	0	0.060	1.636	9.089	---	---	TOTAL
MEAN	---	---	0.160	0.245	0.018	0.002	0	0.002	0.055	0.293	---	---	MEAN
MAX	---	---	0.270	1.21	0.125	0.011	0	0.016	0.830	2.10	---	---	MAX
MIN	---	---	0.150	0.067	0.005	0	0	0	0	0.053	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.097
MAXIMUM DAILY, 2.10E ON OCT 1
MINIMUM DAILY, 0 ON JUN 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 06 16 N
LONG 100 52 57 W
DRAINAGE AREA, 262 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1972

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	5.18
MAR	428	SEP	141
APR	634	OCT	785
MAY	49.1	NOV	---
JUN	5.79	DEC	---

TOTAL DISCHARGE, 2 050 dam³

PLUM CREEK NEAR SOURIS - STATION NO. 05MG007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.292B	0.182	0.148	0.020	0	0	0	---	---	1
2	---	---	0 B	0.172B	0.302	0.167	0.010	0	0	0	---	---	2
3	---	---	0 B	0.091B	0.285	0.158	0.006	0	0	0	---	---	3
4	---	---	0 B	0.026B	0.271	0.139	0.002	0	0	0	---	---	4
5	---	---	0 B	0.024B	0.215	0.199	0.001	0	0	0	---	---	5
6	---	---	0 B	0.053B	0.194	0.220	0	0	0	0	---	---	6
7	---	---	0 B	0.016B	0.178	0.265	0	0	0	0	---	---	7
8	---	---	0 B	0.018B	0.197	0.243	0	0	0	0	---	---	8
9	---	---	0 B	0.017B	0.218	0.239	0	0	0	0	---	---	9
10	---	---	0 B	0.021B	0.243	0.200	0	0	0	0	---	---	10
11	---	---	0 B	0.502B	0.245	0.185	0	0	0	0	---	---	11
12	---	---	0 B	1.83 B	0.242	0.172	0	0	0	0	---	---	12
13	---	---	0 B	1.62 B	0.219	0.144	0	0	0	0	---	---	13
14	---	---	0 B	1.93 B	0.215	0.141	0	0	0	0	---	---	14
15	---	---	0 B	3.13 B	0.204	0.140	0	0	0	0	---	---	15
16	---	---	0 B	2.40 B	0.177	0.131	0.005	0	0	0	---	---	16
17	---	---	0 B	1.14 B	0.182	0.112	0.036	0	0	0	---	---	17
18	---	---	0 B	0.682B	0.173	0.091	0.036	0	0	0	---	---	18
19	---	---	0 B	0.281	0.155	0.096	0.039	0	0	0	---	---	19
20	---	---	0 B	0.170	0.149	0.113	0.027	0	0	0	---	---	20
21	---	---	0.006B	0.145	0.122	0.117	0.022	0	0	0	---	---	21
22	---	---	0.022B	0.118	0.111	0.121	0.019	0	0	0	---	---	22
23	---	---	0.059B	0.086	0.109	0.100	0.021	0	0	0	---	---	23
24	---	---	0.130B	0.125	0.146	0.082	0.021	0	0	0	---	---	24
25	---	---	0.206B	0.150	0.130	0.076	0.014	0	0	0	---	---	25
26	---	---	0.161B	0.169	0.141	0.069	0.008	0	0	0	---	---	26
27	---	---	0.024B	0.172	0.140	0.050	0.003	0	0	0	---	---	27
28	---	---	0.001B	0.153	0.155	0.046	0	0	0	0	---	---	28
29	---		0.211B	0.132	0.161	0.045	0	0	0	0	---	---	29
30	---		0.739B	0.124	0.144	0.040	0	0	0	0	---	---	30
31	---		0.778B		0.147		0	0		0		---	31
TOTAL	---	---	2.389	15.789	5.752	4.039	0.285	0	0	0	---	---	TOTAL
MEAN	---	---	0.074	0.526	0.186	0.135	0.009	0	0	0	---	---	MEAN
MAX	---	---	0.778	3.13	0.302	0.265	0.036	0	0	0	---	---	MAX
MIN	---	---	0	0.016	0.109	0.040	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.115
MAXIMUM DAILY, 3.13B ON APR 15
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.60B AT 14:35 CST ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 38 N
LONG 100 18 20 W
DRAINAGE AREA, 6 630 km²
B - ICE CONDITIONS
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	36.6
FEB	---	AUG	0
MAR	199	SEP	0
APR	1 360	OCT	0
MAY	497	NOV	---
JUN	349	DEC	---

TOTAL DISCHARGE, 2 430 dam³

PLUM LAKE NEAR PINELAY - STATION NO. 05HG009

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	1
2	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	2
3	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	3
4	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	4
5	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	5
6	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	6
7	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	7
8	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	8
9	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	9
10	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	10
11	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	11
12	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	12
13	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	13
14	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	14
15	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	15
16	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	16
17	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	17
18	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	18
19	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	19
20	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	20
21	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	21
22	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	22
23	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	23
24	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	24
25	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	25
26	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	26
27	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	27
28	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	28
29	---		DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	29
30	---		DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	30
31	---		DRY		DRY		DRY	DRY		DRY		---	31
MEAN	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	MEAN
MAX	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	MAX
MIN	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 36 50 N
LONG 100 45 51 W

REGULATED

DRAINAGE AREA, 5 150 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - SMALL POND ONLY IN CENTRE OF LAKE AREA

PLUM RIVER NEAR ROSENFELD - STATION NO. 05OC019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.19 B	0.184	0.101	0.067	0.007	0	0	---	---	1
2	---	---	0 B	3.00 B	0.180	0.092	0.054	0.005	0	0	---	---	2
3	---	---	0 B	2.75 B	0.165	0.076	0.047	0.008	0	0.006A	---	---	3
4	---	---	0 B	2.32 B	0.162	0.086	0.043	0.010	0	0.010	---	---	4
5	---	---	0 B	2.25 B	0.163	0.174	0.214	0.006	0	0.004	---	---	5
6	---	---	0 B	2.15 B	0.149	0.184	0.353	0.013	0	0.003	---	---	6
7	---	---	0 B	2.09 B	0.136	0.310	0.353	0.013	0	0.005	---	---	7
8	---	---	0 B	1.98 B	0.111	0.468	0.272	0.008	0	0.003	---	---	8
9	---	---	0 B	1.88 B	0.105	0.397	0.197	0.005	0	0.002	---	---	9
10	---	---	0 B	1.79 B	0.104	0.429	0.132	0.003	0	0.009	---	---	10
11	---	---	0 B	5.40 B	0.114	0.356	0.082	0.010	0	0.036	---	---	11
12	---	---	0 B	16.0 B	0.105	0.272	0.047	0.019	0	0.031	---	---	12
13	---	---	0 B	25.2 B	0.091	0.214	0.031	0.013	0	0.129	---	---	13
14	---	---	0 B	32.7 B	0.080	0.167	0.020	0.008	0	0.134	---	---	14
15	---	---	0 B	21.0 B	0.072	0.133	0.015	0.005	0	0.099	---	---	15
16	---	---	0 B	17.6	0.067	0.113	0.012	0.003	0	0.059	---	---	16
17	---	---	0 B	10.7	0.063	0.108	0.037	0.002	0	0.039	---	---	17
18	---	---	0 B	7.25	0.052	0.118	0.028	0.001	0	0.137	---	---	18
19	---	---	0 B	3.99	0.041	0.140	0.018	0.001	0	0.161	---	---	19
20	---	---	0 B	2.11	0.031	0.158	0.012	0	0	0.152	---	---	20
21	---	---	0 B	1.55	0.025	0.163	0.010	0	0	0.136	---	---	21
22	---	---	0 B	1.27	0.018	0.160	0.028	0	0	0.124	---	---	22
23	---	---	0 B	1.12	0.013	0.154	0.028	0	0	0.112	---	---	23
24	---	---	0 B	1.03	0.013	0.145	0.019	0	0	0.102	---	---	24
25	---	---	0 B	0.908	0.014	0.130	0.011	0	0	0.092	---	---	25
26	---	---	0 B	0.621	0.017	0.121	0.006	0	0	0.082	---	---	26
27	---	---	0 B	0.393	0.013	0.112	0.005	0	0	0.154	---	---	27
28	---	---	0.045B	0.244	0.006	0.101	0.004	0	0	0.223A	---	---	28
29	---		4.00 B	0.207	0.006	0.089	0.008	0	0	0.211E	---	---	29
30	---		4.14 B	0.194	0.080	0.079	0.013	0	0	0.201E	---	---	30
31	---		3.88 B		0.100		0.010	0		0.192E		---	31
TOTAL	---	---	12.065	172.887	2.480	5.350	2.175	0.140	0	2.648	---	---	TOTAL
MEAN	---	---	0.389	5.76	0.080	0.179	0.070	0.005	0	0.085	---	---	MEAN
MAX	---	---	4.14	32.7	0.184	0.468	0.353	0.019	0	0.223	---	---	MAX
MIN	---	---	0	0.194	0.006	0.076	0.004	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.807
MAXIMUM DAILY, 32.7B ON APR 14
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 30 N
LONG 97 24 00 W
DRAINAGE AREA, 782 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	188
FEB	---	AUG	12.1
MAR	1 040	SEP	0
APR	14 900	OCT	229
MAY	214	NOV	---
JUN	463	DEC	---

TOTAL DISCHARGE, 17 000 dam³

POPLAR RIVER AT OUTLET OF WEAVER LAKE - STATION NO. 05RE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	31.0E	19.3	14.8	14.2	53.1	116	77.6	33.2	20.1	16.6	20.6	22.8	1
2	29.6E	18.9	14.7	14.2	56.1	114	77.2	33.2	20.0	16.7	20.7	22.8	2
3	28.6E	18.5	14.4	14.0	58.6	111	73.7	31.0	20.2	17.0	20.9	23.0	3
4	27.3E	18.3	14.5	14.1	68.8	111	69.5	30.0	19.8	17.4	21.3	22.9	4
5	26.6E	18.0	14.3	14.2	76.4	111	66.7	29.4	20.1	17.2	21.4	22.9	5
6	25.8E	17.9	12.2A	14.0	87.5	109	64.6	28.9	20.0	17.7	21.7	22.7	6
7	25.2E	17.8	12.1E	13.7	98.6	104	60.1	27.8	19.9	17.8	22.2	22.5	7
8	24.6E	17.5	12.0E	13.9	111	105	58.5	27.0	19.5	17.7	22.3	22.3	8
9	24.0E	17.3	11.9E	14.0	123	106	59.5	27.1	19.4	17.8	22.3	22.2	9
10	23.7E	17.2	11.8E	14.2	130	105	56.0	26.6	19.6	17.8	22.5	22.0	10
11	23.3E	17.0	11.9E	14.1	139	105	53.9	26.5	18.3	18.1	22.6	21.8	11
12	22.9E	16.8	12.0E	14.2	145	104	51.4	26.2	18.7	18.0	22.3	21.7	12
13	22.5E	16.7	12.1E	14.2	150	104	50.1	25.0	18.7	17.7	22.8	21.6	13
14	22.2E	16.5	12.9E	14.1	153	105	47.9	24.8	18.4	17.5	22.6	21.5	14
15	21.9E	16.5	13.4E	14.3	157	102	46.7	22.8	18.0	17.2	23.1	21.3	15
16	21.7E	16.2	13.9E	14.3	156	101	46.8	23.3	18.0	17.9	23.3	21.5	16
17	21.5E	16.3	13.4E	14.6	153	98.5	46.9	23.2	18.0	18.8	23.1	21.4	17
18	21.4E	16.2	13.0E	14.7	154	98.4	45.9	22.3	17.9	18.6	23.1	21.1	18
19	21.2A	16.2	13.0E	14.8	155	97.7	45.0	21.9	17.3	18.3	23.2	21.0	19
20	21.3	16.1	13.0E	15.3	151	97.5	41.7	22.1	17.2	18.3	23.3	20.7	20
21	21.7	16.0	13.0E	15.7	151	97.0	41.3	21.7	17.4	18.5	23.4	20.7	21
22	21.4	15.7	12.9E	15.9	150	96.1	42.0	21.3	17.2	18.8	23.3	20.6	22
23	21.1	15.5	12.9A	17.1	146	94.0	41.2	20.8	17.1	19.0	23.4	20.5	23
24	20.8	15.3	14.8	19.2	142	90.1	38.6	20.7	16.8	19.1	23.2	20.4	24
25	20.6	15.1	14.8	22.0	138	89.0	38.8	20.4	16.5	19.3	22.8	20.3	25
26	20.6	15.0	14.3	26.1	135	86.2	38.1	20.6	16.3	19.5	22.7	20.2	26
27	20.5	14.9	14.1	30.5	132	83.3	36.3	20.4	17.0	19.8	22.8	20.1	27
28	20.0	14.8	14.1	35.6	128	84.6	35.6	21.0	18.3	19.9	22.9	19.9	28
29	19.8		14.1	40.4A	126	81.7	35.4	20.3	16.5	19.5	22.7	19.7	29
30	19.6		14.1	45.6	123	79.0	33.5	20.4	16.1	19.4	22.7	19.7	30
31	19.4		14.1		119		33.8	20.8		20.2		19.6	31
TOTAL	711.4	467.5	414.8	553.2	3 866.1	2 986.1	1 556.3	759.9	547.4	567.1	675.3	661.2	TOTAL
MEAN	22.9	16.7	13.4	18.4	125	99.5	50.2	24.5	18.2	18.3	22.5	21.3	MEAN
MAX	31.0	19.3	14.8	45.6	157	116	77.6	33.2	20.2	20.2	23.4	23.0	MAX
MIN	19.4	14.8	11.8	13.7	53.1	79.0	33.5	20.3	16.1	16.6	20.6	19.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 37.7
MAXIMUM DAILY, 157 ON MAY 15
MINIMUM DAILY, 11.8E ON MAR 10
MAXIMUM INSTANTANEOUS,
162 AT 11:36 CST ON MAY 15

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 46 40 N
LONG 96 45 10 W
DRAINAGE AREA, 6 790 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	61 500	JUL	134 000
FEB	40 400	AUG	65 700
MAR	35 800	SEP	47 300
APR	47 800	OCT	49 000
MAY	334 000	NOV	58 300
JUN	258 000	DEC	57 100

TOTAL DISCHARGE, 1 190 000 dam³

PORTAGE DIVERSION NEAR PORTAGE LA PRAIRIE - STATION NO. 05LL019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	---	---	---	---	---	---	1
2	---	---	0B	0 B	0	0	---	---	---	---	---	---	2
3	---	---	0B	0 B	0	0	---	---	---	---	---	---	3
4	---	---	0B	0 B	0	0	---	---	---	---	---	---	4
5	---	---	0B	0 B	0	0	---	---	---	---	---	---	5
6	---	---	0B	0 B	0	0	---	---	---	---	---	---	6
7	---	---	0B	0 B	0	0	---	---	---	---	---	---	7
8	---	---	0B	0 B	0	0	---	---	---	---	---	---	8
9	---	---	0B	0 B	0	0	---	---	---	---	---	---	9
10	---	---	0B	0 B	0	0	---	---	---	---	---	---	10
11	---	---	0B	0 B	0	0	---	---	---	---	---	---	11
12	---	---	0B	0 B	0	0	---	---	---	---	---	---	12
13	---	---	0B	0 B	0	0	---	---	---	---	---	---	13
14	---	---	0B	0 B	0	0	---	---	---	---	---	---	14
15	---	---	0B	0 B	0	0	---	---	---	---	---	---	15
16	---	---	0B	115	0	0	---	---	---	---	---	---	16
17	---	---	0B	142	0	0	---	---	---	---	---	---	17
18	---	---	0B	101	0	0	---	---	---	---	---	---	18
19	---	---	0B	49.1	0	0	---	---	---	---	---	---	19
20	---	---	0B	13.4	0	0	---	---	---	---	---	---	20
21	---	---	0B	0	0	0	---	---	---	---	---	---	21
22	---	---	0B	0	0	0	---	---	---	---	---	---	22
23	---	---	0B	0	0	0	---	---	---	---	---	---	23
24	---	---	0B	0	0	0	---	---	---	---	---	---	24
25	---	---	0B	0	0	0	---	---	---	---	---	---	25
26	---	---	0B	0	0A	0	---	---	---	---	---	---	26
27	---	---	0B	0	0	0	---	---	---	---	---	---	27
28	---	---	0B	0	0	0	---	---	---	---	---	---	28
29	---		0B	0	0	0	---	---	---	---	---	---	29
30	---		0B	0	0	0	---	---	---	---	---	---	30
31	---		0B		0		---	---		---		---	31
TOTAL	---	---	0	420.5	0	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0	14.0	0	0	---	---	---	---	---	---	MEAN
MAX	---	---	0	142	0	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.85
MAXIMUM DAILY, 142 ON APR 17
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
162 AT 23:43 CST ON APR 17

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 00 N
LONG 98 22 50 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1970

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	0	SEP	---
APR	36 300	OCT	---
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 36 300 dam³

PORTAGE RESERVOIR NEAR PORTAGE LA PRAIRIE - STATION NO. 05MJ006

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	260.822	260.702	260.902	260.665	264.313	264.715	264.644	264.634	264.587	261.525	260.651	260.594	1
2	260.881	260.864	260.898	260.702	264.337	264.714	264.658	264.625	264.585	261.392	260.549	260.544	2
3	260.744	260.812	260.678	260.801	264.341	264.713	264.725	264.622	264.588	261.378	260.389	260.510	3
4	260.811	260.702	260.552	261.853	264.347	264.710	264.749	264.620	264.586	261.077	260.380A	260.442	4
5	260.787	260.658	260.591	263.090	264.334	264.703	264.757	264.621	264.588	260.610	260.253A	260.377	5
6	260.748	260.827	260.609	262.958	264.327	264.698	264.747	264.621	264.585	260.392	259.970A	260.328	6
7	260.800	260.869	260.624	262.895	264.317	264.693	264.730	264.624	264.584	260.380	260.278A	260.290	7
8	260.732	260.749	260.601	262.862	264.317	264.686	264.720	264.614	264.592	260.401	260.567A	260.238	8
9	260.667	260.757	260.644	262.828	264.319	264.686	264.703	264.619	264.594	260.386	260.177A	260.221	9
10	260.713	260.844	260.626	262.805	264.325	264.678	264.696	264.619	264.591	260.577	260.782A	260.194	10
11	260.658	260.897	260.675	262.806	264.332	264.655	264.692	264.623	264.588	260.837	260.796	260.332	11
12	260.752	260.830	260.681	262.873	264.339	264.680	264.688	264.624	264.571	260.761	260.348	260.306	12
13	260.709	260.748	260.672	263.000	264.370	264.624	264.686	264.623	264.429	260.668	260.777	260.347	13
14	260.580	260.735	260.685	262.994	264.456	264.642	264.683	264.631	264.286	260.664	260.658	260.433	14
15	260.681	260.732	260.700	263.411	264.456	264.700	264.676	264.633	264.239	260.594	260.693	260.461	15
16	260.763	260.774	260.765	263.552A	264.431	264.702	264.696	264.633	264.178	260.361	260.757	260.383	16
17	260.843	260.817	260.754	263.832A	264.432	264.691	264.754	264.632	264.031	260.452	260.788	260.377	17
18	260.743	260.776	260.682	263.887A	264.516	264.678	264.841	264.636	263.935	260.399	261.005	260.421	18
19	260.659	260.772	260.694	263.778A	264.541	264.663	264.797	264.641	263.819	260.328	261.010	260.412	19
20	260.705	260.825	260.704	263.832	264.599	264.636	264.780	264.633	263.701	260.359	261.015	260.500	20
21	260.805	260.841	260.684	263.906	264.653	264.625	264.769	264.626	263.590	260.472	260.874	260.567	21
22	260.795	260.849	260.690	263.902	264.750	264.683	264.733	264.626	263.462	260.484	260.636	260.658	22
23	260.668	260.885	260.667	263.944	264.763	264.692	264.707	264.624	263.321	260.594	260.806	260.683	23
24	260.568	260.880	260.750	264.094	264.756	264.671	264.691	264.615	263.166	260.599	260.861	260.671	24
25	260.593	260.768	260.758	264.273	264.748	264.650	264.677	264.609	262.989	260.610	260.279	260.696	25
26	260.536	260.729	260.722	264.192	264.749	264.620	264.666	264.598	262.728A	260.558	260.341	260.705	26
27	260.537	260.649	260.762	264.125	264.759	264.589	264.679	264.587	262.555A	260.471	260.387	260.686	27
28	260.912	260.618	260.767	264.164	264.760	264.584	264.678	264.586	262.320A	260.566	260.551	260.711	28
29	260.786		260.750	264.127	264.611	264.670	264.590	262.058A	260.402	260.559	260.751	29
30	260.741		260.719	264.214	264.739	264.611	264.658	264.593	261.738	260.562	260.558	260.828	30
31	260.698		260.637		264.728		264.644	264.589		260.650		260.818	31
MEAN	260.721	260.782	260.698	263.212	264.513	264.665	264.709	264.618	263.853	260.620	260.557	260.499	MEAN
MAX	260.912	260.897	260.902	264.273	264.763	264.715	264.841	264.641	264.594	261.525	261.015	260.828	MAX
MIN	260.526	260.618	260.552	260.665	264.313	264.584	264.644	264.586	261.738	260.328	259.970	260.194	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 262.462
MAXIMUM DAILY, 264.841 ON JUL 18
MINIMUM DAILY, 259.970A ON NOV 6
MAXIMUM INSTANTANEOUS,
264.854 AT 07:13 CST ON JUL 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 56 10 N
LONG 98 30 10 W

A - MANUAL GAUGE

REGULATED SINCE 1970

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

RAT CREEK NEAR MACDONALD - STATION NO. 05LL021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.386B	0.044	0.081	0.009	0.058	0	0	---	---	1
2	---	---	0 B	0.382B	0.027	0.061	0.010	0.023	0	0	---	---	2
3	---	---	0 B	0.377B	0.015	0.045	0.010	0.013	0	0	---	---	3
4	---	---	0 B	0.368B	0.013	0.031	0.010	0.009	0	0	---	---	4
5	---	---	0 B	0.356B	0.016	0.021	0.013	0.006	0	0	---	---	5
6	---	---	0 B	0.346B	0.014	0.029	0.012	0.005	0	0	---	---	6
7	---	---	0 B	0.342B	0.015	0.036	0.008	0.004	0	0	---	---	7
8	---	---	0 B	0.346B	0.034	0.050	0.006	0.003	0	0	---	---	8
9	---	---	0 B	0.350B	0.044	0.080	0.006	0.003	0	0	---	---	9
10	---	---	0 B	0.404B	0.064	0.093	0.009	0.002	0	0	---	---	10
11	---	---	0 B	0.532B	0.129	0.127	0.021	0.002	0	0	---	---	11
12	---	---	0 B	0.717B	0.173	0.157	0.010	0.002	0	0	---	---	12
13	---	---	0 B	0.809B	0.288	0.181	0.009	0	0	0	---	---	13
14	---	---	0 B	0.898B	0.303	0.145	0.006E	0	0	0	---	---	14
15	---	---	0 B	0.930B	0.272	0.105	0.002A	0	0	0	---	---	15
16	---	---	0 B	0.648B	0.273	0.074	0.014	0	0	0	---	---	16
17	---	---	0 B	0.562B	0.398	0.042	0.166	0	0	0	---	---	17
18	---	---	0 B	0.466B	0.613	0.028	0.574	0	0	0	---	---	18
19	---	---	0 B	0.350B	0.701	0.030	0.920	0	0	0	---	---	19
20	---	---	0 B	0.280B	0.664	0.031	0.325	0	0	0	---	---	20
21	---	---	0 B	0.238B	0.537	0.036	0.169	0	0	0	---	---	21
22	---	---	0 B	0.190B	0.418	0.027	0.097	0	0	0	---	---	22
23	---	---	0 B	0.150B	0.301	0.022	0.045	0	0	0	---	---	23
24	---	---	0 B	0.101	0.288	0.019	0.019	0	0	0	---	---	24
25	---	---	0 B	0.101	0.252	0.017	0.008	0	0	0	---	---	25
26	---	---	0 B	0.100	0.209	0.016	0.005	0	0	0	---	---	26
27	---	---	0 B	0.111	0.184	0.013	0.018	0	0	0	---	---	27
28	---	---	0.057B	0.096	0.163	0.012	0.566	0	0	0	---	---	28
29	---		0.190B	0.066	0.135	0.010	1.42	0	0	0	---	---	29
30	---		0.373B	0.052	0.120	0.009	0.335	0	0	0	---	---	30
31	---		0.384B		0.106		0.137	0		0		---	31
TOTAL	---	---	1.012	11.054	6.853	1.628	4.959	0.130	0	0	---	---	TOTAL
MEAN	---	---	0.033	0.368	0.221	0.054	0.160	0.004	0	0	---	---	MEAN
MAX	---	---	0.384	0.930	0.701	0.181	1.42	0.058	0	0	---	---	MAX
MIN	---	---	0	0.052	0.013	0.009	0.002	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.105
MAXIMUM DAILY, 1.42 ON JUL 29
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.34 AT 23:30 CST ON JUL 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 19 N
LONG 98 27 51 W
DRAINAGE AREA, 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	428
FEB	---	AUG	11.3
MAR	87.4	SEP	0
APR	955	OCT	0
MAY	592	NOV	---
JUN	141	DEC	---

TOTAL DISCHARGE, 2 210 dam³

RAT RIVER BELOW NOTIGI CONTROL STRUCTURE - STATION NO. 05TF003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	242.612	242.316	244.050	244.528	244.550	244.576	---	1
2	---	---	---	---	---	242.573	242.561	244.064	244.551	244.565	244.565	---	2
3	---	---	---	---	---	242.540	242.714	244.105	244.571	244.540	244.559	---	3
4	---	---	---	---	---	242.513	242.813	244.119	244.575	244.548	244.563	---	4
5	---	---	---	---	---	242.490	242.880	244.126	244.597	244.549	244.563	---	5
6	---	---	---	---	---	242.474	242.971	244.135	244.611	244.547	244.568	---	6
7	---	---	---	---	---	242.462	243.148	244.155	244.620	244.550	244.560	---	7
8	---	---	---	---	---	242.439	243.278	244.179	244.626	244.551	244.550	---	8
9	---	---	---	---	---	242.429	243.384	244.203	244.633	244.559	244.565	---	9
10	---	---	---	---	---	242.415	243.460	244.209	244.623	244.563	244.561	---	10
11	---	---	---	---	---	242.394	243.530	244.211	244.617	244.566	244.543	---	11
12	---	---	---	---	---	242.371	243.587	244.214	244.611	244.565	244.542	---	12
13	243.221A	---	---	---	---	242.347	243.638	244.183	244.610	244.565	244.546A	---	13
14	---	---	---	---	243.279A	242.325	243.685	244.091	244.602	244.562	---	---	14
15	---	---	---	---	243.278	242.305	243.725	244.021	244.599	244.552	---	---	15
16	---	---	---	---	243.272	242.282	243.761	243.985	244.599	244.565	---	---	16
17	---	---	---	---	243.249	242.260	243.797	243.947	244.577	244.581	---	---	17
18	---	---	---	---	243.223	242.240	243.831	243.876	244.562	244.581	---	---	18
19	---	---	---	---	243.189	242.223	243.853	243.734	244.560	244.566	---	---	19
20	---	---	---	---	243.142	242.209	243.861	243.657	244.562	244.560	---	---	20
21	---	---	---	---	243.093	242.199	243.880	243.741	244.552	244.563	---	---	21
22	---	---	---	---	243.048	242.193	243.913	243.880	244.553	244.575	---	---	22
23	---	---	---	---	243.023	242.178	243.942	244.093	244.551	244.582	---	---	23
24	---	---	---	---	242.996	242.172	243.952	244.194	244.546	244.574	---	---	24
25	---	---	---	---	242.969	242.174	243.967	244.264	244.545	244.583	---	---	25
26	---	---	---	---	242.893	242.158	243.981	244.316	244.536	244.595	---	---	26
27	---	---	---	---	242.829	242.141	243.998	244.363	244.539	244.596	---	---	27
28	---	---	---	---	242.768	242.140	244.006	244.398	244.544	244.591	---	---	28
29	---		---	---	242.712	242.165	244.011	244.416	244.557	244.588	---	---	29
30	---		---	---	242.685	242.210	244.028	244.489	244.552	244.576	---	---	30
31	---		---		242.649		244.045	244.485		244.576		---	31
MEAN	---	---	---	---	---	242.320	243.565	244.125	244.577	244.567	---	---	MEAN
MAX	---	---	---	---	---	242.612	244.045	244.485	244.633	244.596	---	---	MAX
MIN	---	---	---	---	---	242.140	242.316	243.657	244.524	244.540	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 51 37 N
LONG 99 17 34 W

A - MANUAL GAUGE

REGULATED SINCE 1976

DRAINAGE AREA, 6 090 km²

WATER LEVELS ARE REFERRED TO CHURCHILL RIVER DATUM (MANITOBA HYDRO)

RAT RIVER NEAR OTTERBURNE - STATION NO. 05OE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.124B	0.034B	0.061B	13.3 B	10.2	4.84	2.63	5.91	1.47	0.361	4.09	0.682	1
2	0.122B	0.033B	0.066B	15.8 B	9.75	4.69	2.33	5.02	1.38	0.508	3.81	0.893	2
3	0.116B	0.030B	0.061B	14.8 B	9.17	4.54	2.24	4.25	1.31	0.680	3.41	1.57	3
4	0.106B	0.026B	0.064B	11.7 B	8.54	4.30	2.42	3.62	1.21	0.691	3.10	2.29	4
5	0.106B	0.024B	0.066B	8.18B	8.17	4.07	2.88	3.10	1.10	0.587	2.72	2.35 B	5
6	0.107B	0.020B	0.068B	4.97B	7.62	4.70	5.42	2.86	1.01	0.707	2.39	2.14 B	6
7	0.095B	0.018B	0.063B	2.94B	6.94	6.96	7.04	2.99	0.958	1.47	2.18	1.74 B	7
8	0.082B	0.017B	0.061B	3.81B	6.31	6.97	8.40	3.14	0.904	2.27	2.24	1.51 B	8
9	0.068B	0.017B	0.058B	4.49B	5.93	7.35	8.76	3.11	0.912	3.13	2.04	1.23 B	9
10	0.055B	0.014B	0.054B	3.60B	6.06	10.1	7.75	2.65	0.702	3.62	1.78 B	0.963B	10
11	0.044B	0.010B	0.052B	3.81B	6.34	10.4	6.57	2.40	0.647	4.76	1.68 B	0.740B	11
12	0.032B	0.008B	0.056B	5.79	6.56	11.2	5.55	2.27	0.692	5.86	1.63 B	0.592B	12
13	0.030B	0.006B	0.062B	10.1	6.50	11.0	4.75	2.19	0.593	6.78	1.47 B	0.526B	13
14	0.028B	0.005B	0.071B	13.4	6.23	10.4	4.26	2.15	0.365	6.75	1.49	0.496B	14
15	0.028B	0.005B	0.116B	17.5	6.03	9.88	3.66	2.12	0.348	6.54	1.45	0.458B	15
16	0.028B	0.005B	0.191B	20.8	6.08	9.58	3.31	2.04	0.348	6.22	1.25	0.429B	16
17	0.024B	0.010B	0.257B	18.3	6.11	9.17	2.95	1.91	0.299	5.99	1.12	0.450B	17
18	0.019B	0.010B	0.354B	14.3	6.21	8.50	3.38	1.86	0.302	5.74	1.04	0.459B	18
19	0.018B	0.012B	0.603B	11.9	6.84	7.91	3.58	1.97	0.288	5.53	1.03	0.452B	19
20	0.017B	0.034B	0.726B	11.2	7.88	7.57	3.27	1.93	0.276	5.28	1.00 B	0.447B	20
21	0.018B	0.071B	0.585B	11.0	8.29	7.35	2.62	1.93	0.259	4.98	0.967B	0.481B	21
22	0.021B	0.075B	0.594B	10.8	8.16	7.19	2.29	1.90	0.266	4.78	0.934B	0.474B	22
23	0.025B	0.063B	0.676B	10.7	7.43	6.89	2.16	1.82	0.239	4.57	0.901B	0.515B	23
24	0.024B	0.061B	0.724B	10.9	6.80	6.33	2.73	1.82	0.235	4.58	0.868B	0.515B	24
25	0.025B	0.061B	0.669B	11.2	6.26	5.74	7.74	1.98	0.272	4.58	0.835B	0.531B	25
26	0.027B	0.049B	0.694B	11.3	6.04	5.21	10.6	2.02	0.272	4.66	0.802B	0.537B	26
27	0.030B	0.046B	0.734B	11.2	5.90	4.73	11.5	1.95	0.281	4.74	0.768	0.536B	27
28	0.030B	0.049B	0.875B	10.9	5.79	4.29	11.1	1.84	0.311	4.73	0.740	0.513B	28
29	0.030B		1.48 B	10.8	5.58	3.79	9.58	1.74	0.446	4.73	0.701	0.499B	29
30	0.032B		4.69 B	10.6	5.33	3.15	7.90	1.60	0.422	4.60	0.682	0.472B	30
31	0.034B		10.6 B		5.11		6.80	1.54		4.36		0.439B	31
TOTAL	1.545	0.813	25.431	319.69	214.16	208.80	166.13	77.63	18.117	128.744	48.918	25.884	TOTAL
MEAN	0.050	0.029	0.820	10.7	6.91	6.96	5.36	2.50	0.604	4.02	1.63	0.835	MEAN
MAX	0.124	0.075	10.6	20.8	10.2	11.2	11.5	5.91	1.47	6.78	4.09	2.35	MAX
MIN	0.017	0.005	0.052	2.94	5.11	3.15	2.16	1.54	0.235	0.361	0.682	0.429	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.37
MAXIMUM DAILY, 20.8 ON APR 16
MINIMUM DAILY, 0.005B ON FEB 14
MAXIMUM INSTANTANEOUS,
21.4 AT 10:53 CST ON APR 16

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 27 42 N
LONG 97 00 26 W
DRAINAGE AREA, 1 350 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	133	JUL	14 400
FEB	70.2	AUG	6 710
MAR	2 200	SEP	1 570
APR	27 600	OCT	10 800
MAY	18 500	NOV	4 230
JUN	18 000	DEC	2 240

TOTAL DISCHARGE, 106 000 dam³

RAT RIVER NEAR ST. MALO - STATION NO. 05OE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.036B	2.04 B	7.08	3.93	2.12	2.15	0.884	0.482	---	---	1
2	---	---	0.039B	2.07 B	6.78	3.82	1.94	1.91	0.814	0.633	---	---	2
3	---	---	0.040B	1.01 B	6.50	3.64	2.34	1.82	0.730	0.541	---	---	3
4	---	---	0.042B	0.991	6.21	3.36	2.12	1.79	0.654	0.548	---	---	4
5	---	---	0.042B	1.01	5.84	3.15	3.28	1.78	0.582	0.676	---	---	5
6	---	---	0.042B	0.971	5.43	3.36	5.10	2.09	0.573	0.984	---	---	6
7	---	---	0.042B	0.913	5.06	4.26	3.92	2.37	0.490	1.98	---	---	7
8	---	---	0.042B	0.841	4.77	4.29	3.34	2.25	0.426	2.27	---	---	8
9	---	---	0.042B	0.851	4.88	5.17	3.16	2.03	0.419	2.55	---	---	9
10	---	---	0.042B	0.855	5.20	6.64	3.00	1.83	0.401	3.07	---	---	10
11	---	---	0.042B	1.34	5.42	6.74	2.84	1.72	0.327	3.73	---	---	11
12	---	---	0.042B	4.12	5.37	6.62	2.65	1.67	0.314	4.16	---	---	12
13	---	---	0.042B	5.39	5.11	6.62	2.57	1.67	0.283	4.25	---	---	13
14	---	---	0.042B	7.38	4.91	6.84	2.36	1.68	0.249	4.12	---	---	14
15	---	---	0.042B	9.46	5.13	6.87	2.17	1.57	0.235	3.95	---	---	15
16	---	---	0.042B	7.98	5.21	6.74	1.95	1.42	0.237	3.82	---	---	16
17	---	---	0.042B	7.41	5.47	6.42	2.44	1.22	0.229	3.77	---	---	17
18	---	---	0.053B	7.26	6.45	6.01	2.30	1.41	0.211	3.75	---	---	18
19	---	---	0.055B	7.40	7.88	5.82	1.95	1.43	0.197	3.66	---	---	19
20	---	---	0.063B	7.48	7.62	5.79	1.62	1.31	0.198	3.62	---	---	20
21	---	---	0.066B	7.47	6.88	5.77	1.41	1.18	0.199	3.54	---	---	21
22	---	---	0.066B	7.41	6.19	5.51	1.25	1.14	0.203	3.51	---	---	22
23	---	---	0.066B	7.40	5.69	5.15	1.56	1.26	0.183	3.59	---	---	23
24	---	---	0.066B	7.53	5.36	4.70	6.34	1.57	0.170	3.59	---	---	24
25	---	---	0.066B	7.70	5.24	4.30	5.34	1.61	0.181	3.72	---	---	25
26	---	---	0.066B	7.69	5.09	3.90	4.11	1.52	0.178	3.82	---	---	26
27	---	---	0.066B	7.75	4.96	3.59	3.17	1.38	0.233	3.80	---	---	27
28	---	---	0.066B	7.65	4.82	3.24	2.63	1.24	0.410	3.76	---	---	28
29	---		0.651B	7.50	4.57	2.80	2.61	1.08	0.319	3.71	---	---	29
30	---		1.23 B	7.35	4.37	2.41	2.49	1.03	0.407	3.61	---	---	30
31	---		2.24 B		4.11		2.30	0.960		3.43		---	31
TOTAL	---	---	5.523	152.222	173.60	147.46	86.48	49.090	10.936	92.644	---	---	TOTAL
MEAN	---	---	0.178	5.07	5.60	4.92	2.79	1.58	0.365	2.99	---	---	MEAN
MAX	---	---	2.24	9.46	7.88	6.87	6.34	2.37	0.884	4.25	---	---	MAX
MIN	---	---	0.036	0.841	4.11	2.41	1.25	0.960	0.170	0.482	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.93
MAXIMUM DAILY, 9.46 ON APR 15
MINIMUM DAILY, 0.036B ON MAR 1
MAXIMUM INSTANTANEOUS,
10.4 AT 10:16 CST ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 04 N
LONG 96 56 39 W
DRAINAGE AREA, 901 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 470
FEB	---	AUG	4 240
MAR	477	SEP	945
APR	13 200	OCT	8 000
MAY	15 000	NOV	---
JUN	12 700	DEC	---

TOTAL DISCHARGE, 62 000 dam³

RAT RIVER NEAR SUNDOWN - STATION NO. 05OE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.130B	0.094B	0.081B	2.91B	2.50	1.19	0.669E	2.73	0.267	1.24	1.17	0.331B	1
2	0.117B	0.090B	0.083B	3.26B	2.45	1.18	0.984E	2.21	0.252	1.19	1.13	1.52	2
3	0.116B	0.089B	0.085B	3.55B	2.39	1.18	0.839E	1.59	0.248	1.19	1.12	3.10	3
4	0.112B	0.085B	0.093B	3.51B	2.39	1.18	1.09 E	1.21	0.247	1.19	1.04	3.54 B	4
5	0.113B	0.082B	0.099B	3.19B	2.42	1.17	1.60 E	0.884	0.238	1.13	0.954B	3.23 B	5
6	0.110B	0.079B	0.110B	2.67B	2.37	1.18	2.45 E	1.20	0.200	1.10	0.921B	2.71 B	6
7	0.104B	0.076B	0.133B	2.24B	2.23	2.37	2.09 E	1.96	0.177	2.16	0.847B	2.43 B	7
8	0.105B	0.073B	0.152B	2.01B	2.13	3.10	1.71 E	1.88	0.165	2.63	0.821B	1.62 B	8
9	0.100B	0.070B	0.180B	1.91B	2.39	3.83	1.41 E	1.54	0.148	2.77	0.817B	0.884B	9
10	0.098B	0.071B	0.200B	1.84B	3.37	4.41	1.13 E	1.21	0.127	3.43	0.776B	0.647B	10
11	0.099B	0.068B	0.207B	1.51B	4.23	4.32	0.958E	0.934	0.100	4.16	0.750B	0.500B	11
12	0.094B	0.065B	0.217B	2.14B	4.70	3.84	0.802E	0.673	0.085	4.37	0.673B	0.423B	12
13	0.089B	0.063B	0.226B	4.33B	4.83	3.07	0.765E	0.490	0.085	5.35	0.673B	0.364B	13
14	0.086B	0.065B	0.233B	8.27B	4.54	2.78	0.758E	0.477	0.159	5.36	0.639B	0.326B	14
15	0.085B	0.064B	0.239B	14.4 B	4.18	2.43	0.750E	0.464	0.268	4.42	0.610B	0.305B	15
16	0.081B	0.062B	0.251B	18.8 B	4.28	2.02	0.747E	0.412	0.285	3.78	0.562B	0.290B	16
17	0.081B	0.065B	0.266B	18.0 B	4.92	1.73	0.876E	0.350	0.315	3.31	0.543	0.308B	17
18	0.080B	0.061B	0.280B	13.5	5.39	1.47	0.950E	0.787	0.333	2.99	0.532	0.308B	18
19	0.078B	0.061B	0.295B	10.1	5.79	1.31	0.876E	1.37	0.283	2.70	0.543	0.294B	19
20	0.076B	0.064B	0.312B	7.49	5.82	1.38	0.799A	1.38	0.178	2.47	0.573B	0.293B	20
21	0.076B	0.066B	0.327B	6.09	5.48	1.50	0.804	0.996	0.188	2.23	0.614B	0.294B	21
22	0.076B	0.069B	0.346B	5.03	4.74	1.53	0.800	0.882	0.232	2.02	0.747B	0.293B	22
23	0.077B	0.069B	0.367B	4.27	3.80	1.39	0.781	0.798	0.204	1.86	0.625B	0.306B	23
24	0.079B	0.069B	0.389B	3.90	3.06	1.15	1.52	0.649	0.175	1.78	0.569B	0.295B	24
25	0.080B	0.069B	0.402B	3.61	2.88	1.03	1.85	0.511	0.178	1.66	0.454B	0.291B	25
26	0.082B	0.071B	0.414B	3.37	2.26	1.01	1.66	0.509	0.192	1.57	0.367B	0.298B	26
27	0.092B	0.074B	0.431B	3.05	1.99	0.998A	1.18	0.490	0.199A	1.50	0.328B	0.294B	27
28	0.092B	0.078B	0.466B	2.79	1.72	0.906E	1.27	0.438	0.300	1.47	0.331B	0.304B	28
29	0.089B		0.640B	2.62	1.51	0.854E	1.89	0.378	1.51	1.48	0.328B	0.309B	29
30	0.091B		1.37 B	2.54	1.35	0.787E	2.75	0.326	1.42	1.36	0.328B	0.289B	30
31	0.092B		2.44 B		1.24		2.85	0.287		1.26		0.252B	31
TOTAL	2.882	2.012	11.334	162.90	103.35	56.295	39.608	30.015	8.758	75.13	20.385	26.648	TOTAL
MEAN	0.093	0.072	0.366	5.43	3.33	1.88	1.28	0.968	0.292	2.42	0.680	0.860	MEAN
MAX	0.130	0.094	2.44	18.8	5.82	4.41	2.85	2.73	1.51	5.36	1.17	3.54	MAX
MIN	0.076	0.061	0.081	1.51	1.24	0.787	0.669	0.287	0.085	1.10	0.328	0.252	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.48
MAXIMUM DAILY, 18.8B ON APR 16
MINIMUM DAILY, 0.061B ON FEB 18
MAXIMUM INSTANTANEOUS,
20.3B AT 18:11 CST ON APR 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 35 N
LONG 96 17 00 W
DRAINAGE AREA, 414 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	249	JUL	3 420
FEB	174	AUG	2 590
MAR	979	SEP	757
APR	14 180	OCT	6 490
MAY	8 930	NOV	1 760
JUN	4 860	DEC	2 300

TOTAL DISCHARGE, 46 600 dam³

RED DEER LAKE NEAR BARROWS - STATION NO. 05LC003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	261.823	261.750	261.756	261.765	262.041	262.115	262.114E	262.167	261.904	261.820	261.813	----	1
2	261.818	261.750	261.759	261.766	262.051	262.136	262.115A	262.178	261.900	261.811	261.781	----	2
3	261.816	261.749	261.762	261.767	262.052	262.101	262.111	262.132	261.913	261.805	261.798A	----	3
4	261.817	261.748	261.764	261.765	262.036	262.170	262.107	262.123	261.905	261.858	----	----	4
5	261.816	261.749	261.765	261.764	262.032	262.187	262.064	262.120	261.904	261.844	----	----	5
6	261.818	261.750	261.763	261.765	262.034	262.191	262.065	262.120	261.901	261.849	----	----	6
7	261.814	261.749	261.761	261.768	262.050	262.192	262.070	262.076	261.894	261.845	----	----	7
8	261.804	261.748	261.760	261.767	262.061	262.211	262.024	262.042	261.891	261.841	----	----	8
9	261.805	261.751	261.760	261.761	262.072	262.204	262.062A	262.082	261.888	261.843	----	----	9
10	261.802	261.753	261.757	261.766	262.065	262.232	262.060E	262.074	261.888	261.849	----	----	10
11	261.799	261.756	261.764	261.770	262.070	262.233	262.057A	262.067	261.888	261.848	----	----	11
12	261.799	261.758	261.764	261.765	262.063	262.218	262.018	262.063	261.871	261.840	----	----	12
13	261.793	261.760	261.769	261.769	262.073	262.229	262.020	262.041	261.874	261.828	----	----	13
14	261.795	261.767	261.769	261.767	262.076	262.222	262.021	262.027	261.855	261.839	----	----	14
15	261.786	261.768	261.770	261.771	262.086	262.210	262.015	262.021	261.828	261.838	----	----	15
16	261.779	261.772	261.768	261.778	262.092	262.216	262.002	262.016	261.850	261.885	----	261.727A	16
17	261.775	261.769	261.767	261.792	262.079	262.193	262.052	262.025	261.854	261.872	----	----	17
18	261.772	261.769	261.760	261.806	262.084	262.173	262.056	262.003	261.836	261.856	----	----	18
19	261.767	261.773	261.761	261.826	262.083	262.196	262.110A	261.979	261.848	261.826	----	----	19
20	261.762	261.769	261.762	261.850	262.083	262.189	262.106E	261.978	261.834	261.814	----	----	20
21	261.762	261.764	261.766	261.867	262.085	262.183	262.102E	261.972	261.835	261.835	----	----	21
22	261.760	261.758	261.766	261.884	262.086	262.181	262.098A	261.964	261.834	261.849	----	----	22
23	261.758	261.756	261.766	261.901	262.079	262.163	262.114	261.934	261.830	261.835	----	261.723A	23
24	261.760	261.756	261.765	261.920	262.068	262.162E	262.164	261.943	261.825	261.840	----	261.721	24
25	261.763	261.756	261.765	261.942	262.072	262.161E	262.174	261.924	261.815	261.840	----	261.722	25
26	261.768	261.759	261.765	261.964	262.059	262.160A	262.151	261.889	261.827	261.842	----	261.724	26
27	261.757	261.760	261.770	261.989	262.091	262.152	262.194	261.912	261.897	261.839	----	261.720	27
28	261.755	261.759	261.772	262.007	262.079	262.134	262.186	261.925	261.930	261.827	----	261.715	28
29	261.753		261.771	262.019	262.113	262.124	262.168	261.886	261.822	261.820	----	261.711	29
30	261.753		261.768	262.029	262.107	262.112A	262.148	261.914	261.809	261.738	----	261.713	30
31	261.756		261.766		262.095		262.166	261.906		261.785		261.715	31
MEAN	261.784	261.758	261.765	261.836	262.072	262.178	262.094	262.016	261.862	261.834	----	----	MEAN
MAX	261.823	261.773	261.772	262.029	262.113	262.232	262.194	262.178	261.930	261.885	----	----	MAX
MIN	261.753	261.748	261.756	261.761	262.032	262.101	262.002	261.886	261.808	261.738	----	----	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 262.232 ON JUN 10
MINIMUM DAILY, 261.711 ON DEC 29
MAXIMUM INSTANTANEOUS,
262.267 AT 19:22 CST ON JUL 31

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 53 40 N
LONG 101 27 50 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA,
14 000 km²

RED DEER RIVER NEAR THE MOUTH, LAKE WINNIPEGOSIS - STATION NO. 05LC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.64B	2.89B	1.63B	1.10B	23.1	33.3	24.3	25.0	19.5	14.7	14.4	8.54B	1
2	9.60B	2.86B	1.60B	1.08B	22.7	35.7	22.2	25.6	20.3	14.8	17.6	8.50B	2
3	9.51B	2.80B	1.60B	1.08B	24.3	38.4	23.5	29.7	18.0	14.4	10.3	8.42B	3
4	9.47B	2.74B	1.58B	1.08B	24.4	36.1	27.5	31.2	19.9	14.7	8.19	8.35B	4
5	9.42B	2.68B	1.55B	1.08B	23.5	36.5	26.2	29.6	17.4	15.6	10.3 B	8.31B	5
6	9.04B	2.62B	1.55B	1.08B	26.2	41.7	27.7	27.7	15.1	14.3	10.2 B	8.23B	6
7	8.65B	2.59B	1.53B	1.08B	27.6	47.0	32.1	41.6	16.4	15.2	10.2 B	8.19B	7
8	8.35B	2.53B	1.50B	1.08B	25.5	37.8	29.5	35.4	17.2	15.2	10.1 B	8.12B	8
9	8.00B	2.47B	1.48B	1.08B	24.9	40.6	27.0	27.6	17.2	15.9	10.0 B	8.08B	9
10	7.66B	2.41B	1.48B	1.08B	23.7	38.9	26.7	25.9	14.9	16.1	9.94B	8.00B	10
11	7.32B	2.38B	1.45B	1.18B	22.2	38.8	26.0	23.8	22.1	15.5	9.90B	7.93B	11
12	7.02B	2.32B	1.43B	1.83B	25.0	38.2	25.5	23.7	17.1	15.3	9.81B	7.89B	12
13	6.69B	2.26B	1.43B	2.56B	25.3	35.1	22.5	27.8	17.6	15.4	9.73B	7.81B	13
14	6.41B	2.20B	1.40B	3.40B	26.3	36.9	20.1	25.3	15.7	16.0	9.68B	7.78B	14
15	6.13B	2.18B	1.38B	4.21B	24.3	36.0	22.5	28.3	15.0	16.6	9.60B	7.70B	15
16	5.88B	2.13B	1.38B	5.02B	23.6	35.7	23.9	24.4	15.2	12.7	9.55B	7.66B	16
17	5.60B	2.08B	1.35B	5.88B	26.5	35.0	31.3	22.6	14.6	11.5	9.47B	7.59B	17
18	5.32B	2.03B	1.33B	6.72B	26.9	35.4	30.6	25.0	18.6	15.9	9.42B	7.55B	18
19	5.05B	1.98B	1.33B	7.74B	25.3	38.5	32.7	25.3	15.0	16.3	9.34B	7.55B	19
20	4.81B	1.95B	1.30B	8.78B	25.5	38.3	39.9	23.3	13.5	15.8	9.25B	7.51B	20
21	4.54B	1.90B	1.28B	9.94B	26.3	38.0	36.2	22.6	13.4	14.7	9.21B	7.51B	21
22	4.27B	1.85B	1.28B	11.2 B	26.2	32.3	30.5	22.6	13.2	13.6	9.12B	7.47B	22
23	4.00B	1.80B	1.25B	13.0 B	25.4	36.5	36.2	22.9	14.0	13.3	9.08B	7.47B	23
24	3.76B	1.78B	1.23B	14.9 B	27.1	36.3	39.7	23.4	12.7	14.6	8.99B	7.43B	24
25	3.49B	1.73B	1.20B	17.0 B	26.4	33.3	36.1	23.6	12.1	14.0	8.95B	7.43B	25
26	3.22B	1.68B	1.20B	19.2	26.3	34.1	34.0	25.7	14.2	13.7	8.87B	7.40B	26
27	3.16B	1.65B	1.18B	19.7	25.2	32.4	33.6	20.9	10.4	13.9	8.78B	7.40B	27
28	3.10B	1.65B	1.15B	20.7	28.7	29.2	34.1	15.2	8.99	16.7	8.74B	7.36B	28
29	3.07B		1.15B	21.6	27.8	28.2	34.4	20.8	15.7	18.0	8.65B	7.36B	29
30	3.01B		1.13B	23.4	30.0	27.1	33.5	17.7	18.6	20.0	8.61B	7.32B	30
31	2.95B		1.10B		34.7		31.4	17.7		16.2		7.32B	31
TOTAL	188.14	62.14	42.43	228.78	800.9	1 077.3	921.4	781.9	473.59	470.6	295.98	241.18	TOTAL
MEAN	6.07	2.22	1.37	7.63	25.8	35.9	29.7	25.2	15.8	15.2	9.87	7.78	MEAN
MAX	9.64	2.89	1.63	23.4	34.7	47.0	39.9	41.6	22.1	20.0	17.6	8.54	MAX
MIN	2.95	1.65	1.10	1.08	22.2	27.1	20.1	15.2	8.99	11.5	8.19	7.32	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.3
MAXIMUM DAILY, 47.0 ON JUN 7
MINIMUM DAILY, 1.08B ON APR 2
MAXIMUM INSTANTANEOUS,
63.9 AT 19:34 CST ON AUG 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 45 N
LONG 101 02 35 W
DRAINAGE AREA, 14 300 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	16 300	JUL	79 600
FEB	5 370	AUG	67 600
MAR	3 670	SEP	40 900
APR	19 800	OCT	40 700
MAY	69 200	NOV	25 600
JUN	93 100	DEC	20 800

TOTAL DISCHARGE, 483 000 dam³

RED RIVER ABOVE FLOODWAY CONTROL STRUCTURE - STATION NO. 05OC021

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	222.671A	224.100	226.802	224.357	---	---	---	---	---	---	1
2	---	---	222.655A	224.483	226.384	224.301	---	---	---	---	---	---	2
3	---	---	222.656	224.925	225.955	224.266	---	---	---	---	---	---	3
4	---	---	222.657	225.301	225.590	224.210	---	---	---	---	---	---	4
5	---	---	222.664	225.489	225.193	224.144	---	---	---	---	---	---	5
6	---	---	222.671	225.617	224.887	224.131	---	---	---	---	---	---	6
7	---	---	222.676	225.798	224.653	224.147	---	---	---	---	---	---	7
8	---	---	222.679	226.018	224.554	224.158	---	---	---	---	---	---	8
9	---	---	222.686	226.245	224.591	224.280	---	---	---	---	---	---	9
10	---	---	222.689	226.441	224.724	224.353	---	---	---	---	---	---	10
11	---	---	222.698	226.596	224.817	224.373	---	---	---	---	---	---	11
12	---	---	222.711	226.780	224.818	224.306	---	---	---	---	---	---	12
13	---	---	222.715	227.057	224.759	224.235	---	---	---	---	---	---	13
14	---	---	222.716	227.519	224.662	224.197	---	---	---	---	---	---	14
15	---	---	222.714	228.272E	224.565	224.150	---	---	---	---	---	---	15
16	---	---	222.706	228.844E	224.493	224.108	---	---	---	---	---	---	16
17	---	---	222.697	228.893	224.481	224.089	---	---	---	---	---	---	17
18	---	---	222.684	228.917	224.533	224.081	---	---	---	---	---	---	18
19	---	---	222.663	228.884	224.622	224.049	---	---	---	---	---	---	19
20	---	---	222.648	228.837	224.736	224.022	---	---	---	---	---	---	20
21	---	---	222.642	228.660	224.864	223.994	---	---	---	---	---	---	21
22	---	---	222.641	228.431	224.998	223.977	---	---	---	---	---	---	22
23	---	---	222.642	228.346	225.072	223.962	---	---	---	---	---	---	23
24	---	---	222.658	228.259	225.103	223.956	---	---	---	---	---	---	24
25	---	---	222.688	228.161	225.103	223.956	---	---	---	---	---	---	25
26	---	---	222.743	228.065	225.041	223.937	---	---	---	---	---	---	26
27	---	---	222.845	227.949	224.934	223.906	---	---	---	---	---	---	27
28	---	---	222.970	227.757	224.804	223.852	---	---	---	---	---	---	28
29	---		223.113	227.485	224.671	223.827	---	---	---	---	---	---	29
30	---		223.343	227.172	224.529	223.793	---	---	---	---	---	---	30
31	---		223.773		224.417		---	---		---		---	31
MEAN	---	---	222.765	227.177	224.946	224.103	---	---	---	---	---	---	MEAN
MAX	---	---	223.773	228.917	226.802	224.373	---	---	---	---	---	---	MAX
MIN	---	---	222.641	224.100	224.417	223.793	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 228.917 ON APR 18
MINIMUM DAILY, 222.641 ON MAR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 10 N
LONG 97 08 00 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

RED RIVER ABOVE RED RIVER FLOODWAY - STATION NO. 05OC026

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	226.841	---	---	---	---	---	---	---	1
2	---	---	---	---	226.496A	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	225.624A	---	---	---	---	---	---	---	---	5
6	---	---	---	225.725	---	---	---	---	---	---	---	---	6
7	---	---	---	225.901	---	---	---	---	---	---	---	---	7
8	---	---	---	226.085A	---	---	---	---	---	---	---	---	8
9	---	---	---	226.370E	---	---	---	---	---	---	---	---	9
10	---	---	---	226.577E	---	---	---	---	---	---	---	---	10
11	---	---	---	226.744E	---	---	---	---	---	---	---	---	11
12	---	---	---	226.939E	---	---	---	---	---	---	---	---	12
13	---	---	---	227.188A	---	---	---	---	---	---	---	---	13
14	---	---	---	227.700	---	---	---	---	---	---	---	---	14
15	---	---	---	228.417	---	---	---	---	---	---	---	---	15
16	---	---	---	228.952	---	---	---	---	---	---	---	---	16
17	---	---	---	228.965	---	---	---	---	---	---	---	---	17
18	---	---	---	228.993	---	---	---	---	---	---	---	---	18
19	---	---	---	228.965	---	---	---	---	---	---	---	---	19
20	---	---	---	228.918	---	---	---	---	---	---	---	---	20
21	---	---	---	228.746	---	---	---	---	---	---	---	---	21
22	---	---	---	228.514	---	---	---	---	---	---	---	---	22
23	---	---	---	228.427	---	---	---	---	---	---	---	---	23
24	---	---	---	228.342	---	---	---	---	---	---	---	---	24
25	---	---	---	228.240	---	---	---	---	---	---	---	---	25
26	---	---	---	228.138	---	---	---	---	---	---	---	---	26
27	---	---	---	228.019	---	---	---	---	---	---	---	---	27
28	---	---	---	227.820	---	---	---	---	---	---	---	---	28
29	---		---	227.537	---	---	---	---	---	---	---	---	29
30	---		---	227.221	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 228.993 ON APR 18

MAXIMUM INSTANTANEOUS,
229.003 AT 16:21 CST ON APR 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 43 26 N
LONG 97 07 49 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

RED RIVER AT EMERSON - STATION NO. 05OC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	32.6B	29.2B	34.5B	174B	406	165	82.1	122	45.2	38.4	105	53.8B	1
2	33.7B	28.6B	35.1B	231B	366A	156	80.9	112	44.7	39.7	102	54.4B	2
3	34.3B	28.6B	35.4B	273B	290A	149	80.1	105	43.8	39.7	100	55.5B	3
4	34.5B	28.3B	36.0B	303B	248A	143	80.2	100	42.9	40.0	97.5	57.2B	4
5	34.5B	28.1B	36.2B	337B	215A	136	87.9	96.7	41.7	40.5	94.3	60.0B	5
6	34.5B	27.8B	36.5B	365B	187A	133	116	94.3	40.9	42.1	90.9	62.7B	6
7	34.5B	27.6B	36.5B	396B	194	131	127	89.7	39.8	46.4	89.6	66.0B	7
8	34.3B	27.8B	36.5B	428B	226	135	135	85.7	38.7	55.8	88.1	69.9B	8
9	33.7B	28.1B	36.5B	453B	254	154	139	83.2	37.8	69.4	85.6	73.4B	9
10	33.7B	28.2B	36.5B	473B	258	149	141	80.0	36.7	77.5	83.7	74.2B	10
11	33.4B	28.3B	36.8B	490B	245	144	136	75.2	36.5	94.4	78.4B	74.1B	11
12	33.1B	28.6B	37.1B	535B	226	142	126	71.4	36.5	124	70.2B	70.2B	12
13	32.8B	28.3B	37.4B	623B	207	137	118	68.2	35.7	151	59.7B	64.1B	13
14	32.8B	28.3B	37.4B	807B	195	132	110	66.7	35.4	187	60.9B	57.2B	14
15	32.6B	28.6B	37.4B	883	195	130	105	64.9	35.5	222	62.0B	52.1B	15
16	32.6B	29.2B	37.4B	926	201	127	100	63.7	35.9	229	60.3B	50.1B	16
17	32.3B	29.7B	37.7B	951	218	122	99.0	62.5	36.0	230	58.7B	49.0B	17
18	32.0B	30.3B	38.5B	963	244	116	96.0	61.2	36.3	223	57.6B	48.7B	18
19	31.7B	30.6B	38.8B	963	263	111	93.0	60.0	36.8	206	56.5B	48.7B	19
20	31.4B	31.1B	39.4B	946	286	106	91.2	58.3	36.5	190	56.8B	48.1B	20
21	30.9B	31.4B	40.2B	920	304	101	99.3	57.3	36.9	175	58.1B	47.6B	21
22	30.6B	31.4B	41.9B	889	317	97.5	112	56.3	37.2	161	60.3B	47.6B	22
23	31.1B	31.7B	45.6B	850	320	95.1	117	56.9	37.1	151	62.4B	47.6B	23
24	31.7B	32.3B	52.1B	807	312	91.9	120	53.4	36.1	144	63.5B	47.3B	24
25	32.0B	32.8B	60.3B	756	293	90.3	130	50.4	36.2	139	64.1B	47.0B	25
26	32.0B	33.1B	70.2B	708	271	88.7	147	47.9	36.0	133	63.2B	46.7B	26
27	32.3B	33.7B	79.3B	663	248	86.5	153	46.0	36.2	127	60.7B	46.2B	27
28	32.0B	34.3B	85.2B	636A	226	84.9	149	44.0	37.9	121	56.9B	45.6B	28
29	31.4B		91.2B	538A	206	83.6	146	42.7	38.1	116	53.7B	45.3B	29
30	30.9B		103 B	482	189	83.1	140	42.9	37.8	112	53.0B	44.5B	30
31	30.0B		133 B		176		132	44.5		108		44.2B	31
TOTAL	1 009.9	836.0	1 539.6	18 759	7 786	3 620.6	3 588.7	2 162.5	1 142.8	3 832.9	2 153.5	1 699.0	TOTAL
MEAN	32.6	29.9	49.7	625	251	121	116	69.8	38.1	124	71.8	54.8	MEAN
MAX	34.5	34.3	133	963	406	165	153	122	45.2	230	105	74.2	MAX
MIN	30.0	27.6	34.5	174	176	83.1	80.1	42.7	35.4	38.4	53.0	44.2	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 132
MAXIMUM DAILY, 963 ON APR 18
MINIMUM DAILY, 27.6B ON FEB 7
MAXIMUM INSTANTANEOUS,
966 AT 22:53 CST ON APR 18

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 30 N
LONG 97 12 40 W
DRAINAGE AREA, 104 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	87 300	JUL	310 000
FEB	72 200	AUG	187 000
MAR	133 000	SEP	98 700
APR	1 620 000	OCT	331 000
MAY	673 000	NOV	186 000
JUN	313 000	DEC	147 000

TOTAL DISCHARGE, 4 160 000 dam³

RED RIVER AT JAMES AVENUE PUMPING STATION - STATION NO. 05OJ015

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	221.742A	221.871	221.757	222.756	225.336	223.734	223.653	223.703	223.700	223.670	222.880E	222.025	1
2	221.712A	221.874	221.766	222.990	225.023	223.756	223.679	223.666	223.711	223.682	222.756E	222.108	2
3	221.700A	221.878	221.764	223.664	224.731	223.783	223.722	223.689	223.691	223.687	222.632E	222.076	3
4	221.742A	221.873	221.766	224.142	224.461	223.753	223.673	223.694	223.676	223.685	222.508A	222.047	4
5	221.773A	221.862	221.776	224.095	224.217	223.717	223.676	223.676	223.688	223.678	222.408	222.068	5
6	221.773A	221.856	221.790	224.054	223.997	223.747	223.698	223.681	223.705	223.709	222.350	222.168	6
7	221.797A	221.858	221.790	224.168	223.830	223.725	223.661	223.668	223.718	223.788	222.308	222.402	7
8	221.816	221.862	221.790	224.310	223.799	223.743	223.672	223.670	223.702	223.703	222.296	222.517	8
9	221.833	221.865	221.790	224.474	223.809	223.819	223.709	223.701	223.669	223.714	222.244	222.526	9
10	221.835	221.864	221.795	224.509	223.902	223.839	223.708	223.725	223.684	223.811	222.212	222.511	10
11	221.846	221.866	221.798	224.564	223.966	223.834A	223.749	223.713	223.706	223.787	222.207	222.500	11
12	221.854	221.874	221.815	224.719	223.978	223.779	223.742	223.702	223.724	223.780	222.129	222.489	12
13	221.860	221.877	221.836	225.065	223.947	223.732	223.734	223.683	223.713	223.798	222.008	222.481	13
14	221.864	221.876	221.825	225.370	223.875	223.704	223.721	223.696	223.665	223.778	221.894	222.460	14
15	221.862	221.879	221.843	225.913	223.791	223.675	223.694	223.698	223.676	223.788	221.848	222.404	15
16	221.859	221.868	221.838	226.291	223.737	223.653	223.672	223.678	223.723	223.837	221.828	222.334	16
17	221.857	221.889	221.833	226.449	223.734	223.673	223.663	223.684	223.733	223.831	221.849	222.283	17
18	221.858	221.918	221.799	226.667	223.764	223.699	223.684	223.745	223.740	223.845	221.865	222.227	18
19	221.863	221.919	221.750	226.621	223.791	223.687	223.714	223.681	223.755	223.723	221.881	222.181	19
20	221.869	221.898	221.717	226.533	223.856	223.689	223.639	223.709	223.743	223.709	221.887	222.148	20
21	221.884	221.850	221.692	226.468	223.925	223.686	223.741A	223.711	223.733	223.701	221.887	222.128	21
22	221.886	221.794	221.673	226.481	224.034	223.701	223.694A	223.695	223.722	223.702A	222.006	222.116	22
23	221.878	221.789	221.653	226.423	224.032	223.682	223.678A	223.701	223.698	223.706A	222.065	222.115	23
24	221.866	221.774	221.664	226.358	224.052	223.691	223.705A	223.694	223.685	223.638A	222.148	222.103	24
25	221.863	221.752	221.686	226.309	224.057	223.723	223.734A	223.702	223.683	223.537A	222.199	222.091	25
26	221.868	221.744	221.709	226.288	224.021	223.719	223.764A	223.683	223.664	223.434A	222.177	222.087	26
27	221.874	221.750	221.736	226.238	223.946	223.688	223.745	223.691	223.665	223.326A	222.155	222.088	27
28	221.885	221.750	221.819	226.077	223.861	223.662	223.773	223.680	223.737	223.274A	222.159	222.088	28
29	221.891		221.972	225.842	223.791	223.675	223.739	223.696	223.730	223.200A	222.100	222.085	29
30	221.886		222.230	225.619	223.704	223.659	223.707	223.675	223.687	223.128A	222.056	222.080	30
31	221.881		222.565		223.679		223.724	223.685		223.004E		222.079	31
MEAN	221.838	221.848	221.814	225.315	224.021	223.721	223.705	223.693	223.704	223.634	222.165	222.226	MEAN
MAX	221.891	221.919	222.565	226.667	225.336	223.839	223.773	223.745	223.755	223.845	222.880	222.536	MAX
MIN	221.700	221.744	221.653	222.756	223.679	223.653	223.639	223.666	223.664	223.004	221.828	222.035	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 223.145
MAXIMUM DAILY, 226.667 ON APR 18
MINIMUM DAILY, 221.653 ON MAR 23
MAXIMUM INSTANTANEOUS,
226.736 AT 10:44 CST ON APR 18

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 45 N
LONG 97 07 50 W

A - MANUAL GAUGE
E - ESTIMATED

REGULATED

DRAINAGE AREA,
287 000 km²

RED RIVER AT ST. ADOLPHE - STATION NO. 05OC003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	224.790	---	---	223.784	223.693	223.876	---	1
2	---	---	---	---	---	---	223.967	224.363	---	---	---	---	2
3	---	---	---	---	226.710	224.638	---	---	223.723	---	223.723	---	3
4	---	---	---	---	---	---	---	224.229	---	223.723	---	---	4
5	---	---	---	226.393	225.826	224.485	223.937	---	---	---	223.571	---	5
6	---	---	---	226.597	---	---	---	224.095	223.723	223.723	---	---	6
7	---	---	---	226.771	225.186	224.455	224.034	---	---	---	---	---	7
8	---	---	---	227.015	---	---	---	---	223.723	223.784	223.418	---	8
9	---	---	---	227.308	---	224.638	224.333	224.028	---	---	---	---	9
10	---	---	---	227.533	225.247	---	---	---	223.723	---	223.357	---	10
11	---	222.980	---	227.686	---	224.760	---	223.952	---	224.180	---	---	11
12	---	---	---	227.951	225.354	---	224.424	---	---	---	223.366	---	12
13	---	---	---	228.265	---	---	---	223.876	223.723	224.272	---	---	13
14	---	---	---	228.722	225.171	224.577	224.302	---	---	---	---	---	14
15	---	---	---	229.210	---	---	---	---	223.723	224.638	223.114	---	15
16	---	---	---	229.880	---	224.455	224.180	223.876	---	---	---	---	16
17	---	---	---	229.880	224.942	---	---	---	223.723	---	223.114	---	17
18	---	---	---	229.926	---	224.333	---	223.952	---	225.125	---	---	18
19	---	---	---	229.880	225.095	---	224.028	---	---	---	223.083	---	19
20	---	---	---	229.819	---	---	---	223.876	223.723	224.967	---	---	20
21	---	---	---	229.819	225.461	---	224.089	---	---	---	---	---	21
22	222.980	---	---	229.545	---	224.180	---	---	223.723	224.790	223.114	---	22
23	---	---	---	229.453	---	224.184	224.089	223.784	---	---	---	---	23
24	---	---	---	229.362	225.765	224.119	---	---	223.723	---	223.110	---	24
25	---	---	---	229.271	---	---	---	223.876	---	224.485	---	---	25
26	---	---	---	229.133	225.674	224.028	224.394	---	---	---	223.114	---	26
27	---	---	---	228.966	---	---	---	223.784	223.723	224.272	---	---	27
28	---	---	---	228.783	225.400	223.967	224.638	---	---	---	223.114	---	28
29	---		---	228.678	---	---	---	---	223.723	224.119	---	---	29
30	---		---	228.143	---	223.876	224.577	223.784	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 229.926 ON APR 18

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 40 50 N
LONG 97 07 14 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

RED RIVER BELOW FLOODWAY CONTROL STRUCTURE - STATION NO. 05OC020

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	224.059A	226.764	224.332	223.839	---	---	---	---	---	1
2	---	---	---	224.440	226.345	224.286	223.881	---	---	---	---	---	2
3	---	---	---	224.900	225.917	224.258	223.900	---	---	---	---	---	3
4	---	---	---	225.278	225.519	224.283	223.869	---	---	---	---	---	4
5	---	---	---	225.427	225.162	224.137	223.883	---	---	---	---	---	5
6	---	---	---	225.560	224.856	224.131	---	---	---	---	---	---	6
7	---	---	---	225.708	224.623	224.142	---	---	---	---	---	---	7
8	---	---	---	225.977	224.528	224.156	---	---	---	---	---	---	8
9	---	---	---	226.207	224.566	224.277	---	---	---	---	---	---	9
10	---	---	---	226.483	224.700	224.342	---	---	---	---	---	---	10
11	---	---	---	226.558	224.792	224.355	---	---	---	---	---	---	11
12	---	---	---	226.733	224.791	224.281	---	---	---	---	---	---	12
13	---	---	---	227.044	224.732	224.213	---	---	---	---	---	---	13
14	---	---	---	227.398	224.637	224.177	---	---	---	---	---	---	14
15	---	---	---	227.952	224.537	224.127	---	---	---	---	---	---	15
16	---	---	---	228.253	224.465	224.082	---	---	---	---	---	---	16
17	---	---	---	228.396	224.457	224.068	---	---	---	---	---	---	17
18	---	---	---	228.463	224.509	224.060	---	---	---	---	---	---	18
19	---	---	---	228.429	224.598	224.027	---	---	---	---	---	---	19
20	---	---	---	228.367	224.711	224.004	---	---	---	---	---	---	20
21	---	---	---	228.351	224.839	223.975	---	---	---	---	---	---	21
22	---	---	---	228.328	224.973	223.958	---	---	---	---	---	---	22
23	---	---	---	228.251	225.038	223.925	---	---	---	---	---	---	23
24	---	---	---	228.172	225.071	223.967	---	---	---	---	---	---	24
25	---	---	---	228.088	225.063	223.959	---	---	---	---	---	---	25
26	---	---	---	227.989	224.997	223.935	---	---	---	---	---	---	26
27	---	---	---	227.883	224.889	223.903	---	---	---	---	---	---	27
28	---	---	---	227.697	224.757	223.878	---	---	---	---	---	---	28
29	---		---	227.438	224.627	223.863	---	---	---	---	---	---	29
30	---		---	227.123	224.481	223.838	---	---	---	---	---	---	30
31	---		---		224.377		---	---		---		---	31
MEAN	---	---	---	227.038	224.914	224.095	---	---	---	---	---	---	MEAN
MAX	---	---	---	228.463	226.764	224.355	---	---	---	---	---	---	MAX
MIN	---	---	---	224.059	224.377	223.838	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 228.463 ON APR 18

MAXIMUM INSTANTANEOUS,
228.481 AT 17:30 CST ON APR 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 30 N
LONG 97 08 10 W

A - MANUAL GAUGE

REGULATED SINCE 1969

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

RED RIVER FLOODWAY NEAR ST. NORBERT - STATION NO. 05OC017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0.508E	0	0	0	0	0	0	---	---	15
16	---	---	0	14.2 A	0	0	0	0	0	0	---	---	16
17	---	---	0	16.8	0	0	0	0	0	0	---	---	17
18	---	---	0	17.8	0	0	0	0	0	0	---	---	18
19	---	---	0	15.3	0	0	0	0	0	0	---	---	19
20	---	---	0	9.93	0	0	0	0	0	0	---	---	20
21	---	---	0	4.07	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	76.680	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	2.55	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	17.8	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.313
MAXIMUM DAILY, 17.8 ON APR 18
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
18.5 AT 15:50 CST ON APR 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 24 N
LONG 97 07 36 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1969

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	6 620	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 6 620 dam³

REMARKS - LOCAL INFLOW IS NOT MONITORED

RED RIVER NEAR LETELLIER - STATION NO. 05OC010

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	234.061A	---	---	---	---	---	---	---	---	9
10	---	---	---	234.319	---	---	---	---	---	---	---	---	10
11	---	---	---	234.557	---	---	---	---	---	---	---	---	11
12	---	---	---	234.872	---	---	---	---	---	---	---	---	12
13	---	---	---	235.339	---	---	---	---	---	---	---	---	13
14	---	---	---	235.917	---	---	---	---	---	---	---	---	14
15	---	---	---	236.394	---	---	---	---	---	---	---	---	15
16	---	---	---	236.521	---	---	---	---	---	---	---	---	16
17	---	---	---	236.599	---	---	---	---	---	---	---	---	17
18	---	---	---	236.645	---	---	---	---	---	---	---	---	18
19	---	---	---	236.642	---	---	---	---	---	---	---	---	19
20	---	---	---	236.601	---	---	---	---	---	---	---	---	20
21	---	---	---	236.534	---	---	---	---	---	---	---	---	21
22	---	---	---	236.438	---	---	---	---	---	---	---	---	22
23	---	---	---	236.315	---	---	---	---	---	---	---	---	23
24	---	---	---	236.150	---	---	---	---	---	---	---	---	24
25	---	---	---	235.938	---	---	---	---	---	---	---	---	25
26	---	---	---	235.667	---	---	---	---	---	---	---	---	26
27	---	---	---	235.331	---	---	---	---	---	---	---	---	27
28	---	---	---	234.912	---	---	---	---	---	---	---	---	28
29	---		---	234.399	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 236.685 ON APR 18

MAXIMUM INSTANTANEOUS,
236.691 AT 04:04 CST ON APR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 54 N
LONG 97 15 16 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

RED RIVER NEAR LOCKPORT - STATION NO. 05OJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	39.5B	42.7B	46.8B	179B	773	335	134E	183	71.1	70.0	183	93.6B	1
2	40.9B	42.0B	46.9B	233B	700	322	129E	169	69.9	69.7	140	97.5B	2
3	40.6B	41.8B	47.1B	272B	593A	312	125E	158	68.8	68.2	139	102 B	3
4	40.2B	41.1B	48.4B	300B	531E	301	123E	152	67.5	67.0	137 B	105 B	4
5	40.6B	41.4B	48.9B	328B	475E	289	128E	147	65.2	66.4	134 B	107 B	5
6	39.9B	41.2B	48.9B	365B	435E	283	159E	141	63.6	71.0	124 B	107 B	6
7	40.0B	40.4B	48.0B	430B	445A	282	170E	136	62.8	73.8	124 B	108 B	7
8	39.3B	40.3B	47.8B	463B	487	285	178A	130	61.7	83.2	121 B	109 B	8
9	38.5B	40.7B	47.8B	473B	524	307	183	127	60.9	98.0	116 B	111 B	9
10	37.0B	41.1B	47.9B	488B	530	302	184	123	58.3	108	116 B	114 B	10
11	37.4B	41.0B	48.0B	516B	508	292	179	118	57.0	128	109 B	114 B	11
12	37.3B	41.0B	48.5B	577B	482	284	167	112	57.0	161	96.9B	108 B	12
13	37.4B	40.6B	49.1B	681B	452	275	157	107	55.8	194	80.4B	101 B	13
14	39.0B	41.0B	49.0B	893B	434	263	147	106	57.3	238	81.4B	94.1B	14
15	39.6B	41.5B	49.2B	1 000B	425	255	142	103	65.0	278	85.9B	88.8B	15
16	39.8B	41.5B	48.9B	1 080B	431	243	136	101 A	64.5	285	82.1B	86.2B	16
17	39.7B	41.9B	49.5B	1 190B	454	237	135	99.3	59.8	285	83.7B	84.7B	17
18	40.1B	42.7B	50.3B	1 310	486	229	133	96.8	63.1	273	86.3B	83.8B	18
19	40.8B	43.2B	50.8B	1 260	494	220	137	95.3	64.6	253	86.8B	82.6B	19
20	41.6B	43.9B	51.7B	1 220	527	213	142	92.3	63.1	233	87.3B	80.8B	20
21	41.3B	44.1B	52.5B	1 190	539	203	147	90.5	62.6	216	100 B	78.8B	21
22	40.6B	44.0B	53.5B	1 200A	557	193	160	89.1	64.1	201	103 B	78.4B	22
23	41.6B	44.2B	57.0B	1 180A	552	181	166	89.0	64.5	190	104 B	78.6B	23
24	42.9B	44.8B	63.2B	1 170	549	175	173	88.8	64.1	184	103 B	78.0B	24
25	43.8B	45.4B	70.7B	1 160	515	172	186	80.8	63.2	179	99.5B	77.6B	25
26	44.1B	45.5B	78.9B	1 150	484	168A	211	76.8	64.5	174	92.0B	76.3B	26
27	44.9B	46.3B	87.4B	1 130	449	161E	224	73.7	64.4	167	88.0B	74.9B	27
28	45.2B	47.0B	93.3B	1 080	421	154E	219	71.4	66.7	161	87.5B	73.7B	28
29	44.6B		98.7B	979	392	148E	218	69.2	69.8	156	87.1B	72.7B	29
30	43.4B		112 B	911	371	137E	210	68.4	71.3	150	89.2B	70.7B	30
31	43.4B		141 B		354		199	70.0		146		70.1B	31
TOTAL	1 265.8	1 192.3	1 881.7	24 408	15 360	7 221	5 101	3 360.4	1 912.2	5 027.3	3 127.1	2 807.9	TOTAL
MEAN	40.8	42.6	60.7	814	495	241	165	108	63.7	162	104	90.6	MEAN
MAX	45.2	47.0	141	1 310	773	335	224	183	71.3	285	143	114	MAX
MIN	37.3	40.3	46.8	179	354	137	123	68.4	55.8	66.4	80.4	70.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 199
MAXIMUM DAILY, 1 310 ON APR 18
MINIMUM DAILY, 37.3B ON JAN 12

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 06 28 N
LONG 96 55 54 W
DRAINAGE AREA, 287 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	109 000	JUL	441 000
FEB	103 000	AUG	290 000
MAR	163 000	SEP	165 000
APR	2 110 000	OCT	434 000
MAY	1 330 000	NOV	270 000
JUN	624 000	DEC	243 000

TOTAL DISCHARGE, 6 280 000 dam³

REMARKS - THESE DATA ARE A SUMMATION FROM SEVEN UPSTREAM FLOW STATIONS

RED RIVER NEAR ST. NORBERT - STATION NO. 05OC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	1 040E	---	---	---	---	---	---	---	---	16
17	---	---	---	1 080E	---	---	---	---	---	---	---	---	17
18	---	---	---	1 100	---	---	---	---	---	---	---	---	18
19	---	---	---	1 100	---	---	---	---	---	---	---	---	19
20	---	---	---	1 100	---	---	---	---	---	---	---	---	20
21	---	---	---	1 100E	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS APR TO MAY

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 47 10 N
LONG 97 08 13 W
DRAINAGE AREA, 124 000 km²

B - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	---	OCT	---
MAY	---	NOV	---
JUN	---	DEC	---

RED RIVER NEAR STE. AGATHE - STATION NO. 05OC012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	32.1B	29.1B	31.7B	145B	587	207	85.8	157	42.7	41.6	122	52.1B	1
2	32.3B	28.5B	32.1B	195B	506	194	86.0	145	44.1	41.9	117	51.4B	2
3	32.5B	27.9B	32.5B	243B	434	183	87.0	133	44.2	42.2	112	50.7B	3
4	32.9B	27.4B	32.9B	273B	372	173	86.3	123	43.2	42.8	107	57.9B	4
5	33.4B	27.2B	33.3B	299B	320	164	87.1	115	43.1	43.0	104	61.2B	5
6	33.4B	27.0B	33.6B	324B	278	157	93.3	110	43.1	45.0	98.4	64.5B	6
7	33.3B	26.9B	33.8B	350B	250	157	113	105	42.0	49.5	93.7	68.2B	7
8	33.2B	26.7B	33.9B	379B	241	166	138	100	41.0	50.6	90.3	71.9B	8
9	33.0B	26.6B	34.0B	409B	255	181	147	95.2	39.5	58.6	87.3	75.7B	9
10	32.8B	26.8B	34.1B	436B	275	189	156	90.6	38.1	73.2	83.9	79.2B	10
11	32.4B	27.0B	34.2B	461B	284	188	159	86.5	38.7	86.5	80.9	83.6B	11
12	32.1B	27.1B	34.4B	501B	280	183	157	80.8	38.6	106	78.2B	84.5B	12
13	31.9B	27.4B	35.2B	617B	268	177	149	76.1	38.0	135	75.6B	82.7B	13
14	31.6B	27.5B	35.2B	826B	254	170	140	72.7	36.8	167	73.0B	74.4B	14
15	31.3B	27.6B	35.6B	967B	242	162	131	70.1	35.0	203	70.4B	69.6B	15
16	31.1B	27.7B	35.9B	1 020B	236	156	124	67.3	34.9	233	67.8B	63.3B	16
17	30.9B	28.0B	36.1B	1 070	238	150	118	64.8	36.6	250	65.2B	59.1B	17
18	30.6B	28.1B	36.2B	1 070	249	145	111	63.9	38.3	254	62.7B	55.6B	18
19	30.4B	28.4B	36.4B	1 060	268	138	107	62.4	40.6	248	60.5B	54.2B	19
20	30.1B	28.7B	37.0B	1 050	287	131	105	60.4	42.4	237	59.8B	53.5B	20
21	29.8B	28.9B	37.6B	1 040	307	124	103	59.7	41.8	226 E	59.1B	52.8B	21
22	29.6B	29.1B	38.3B	1 010	325	118	105	58.4	41.0	214 E	58.4B	52.1B	22
23	29.4B	29.2B	38.4B	988	338	112	115	56.8	41.6	203 E	57.7B	51.4B	23
24	29.2B	29.5B	39.6B	964	341	108	125	55.8	41.5	192 E	57.0B	50.7B	24
25	29.2B	29.8B	42.0B	934	337	103	140	54.6	40.2	181 E	56.3B	50.0B	25
26	29.5B	30.2B	46.3B	903	323	99.1	157	52.3	39.8	169 E	55.6B	49.4B	26
27	29.9B	30.6B	53.2B	865	305	95.9	173	49.9	41.0	158	54.9B	48.8B	27
28	30.0B	31.2B	62.0B	814	284	92.9	180	47.5	43.3	150	54.2B	48.2B	28
29	30.1B		69.4B	767	263	90.3	181	46.2	42.7	143	53.5B	47.6B	29
30	30.0B		80.4B	670	242	87.4	175	43.9	41.9	135	52.8B	47.0B	30
31	29.7B		111 B		223		167	42.6		128		46.4B	31
TOTAL	967.7	790.1	1 306.3	20 630	9 412	4 401.6	3 997.5	2 446.5	1 215.7	4 306.9	2 269.2	1 861.7	TOTAL
MEAN	31.2	28.2	42.1	688	304	147	129	78.9	40.5	139	75.6	60.1	MEAN
MAX	33.4	31.2	111	1 070	587	207	181	157	44.2	254	122	84.5	MAX
MIN	29.2	26.6	31.7	145	223	87.4	85.8	42.6	34.9	41.6	52.8	46.4	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 147
MAXIMUM DAILY, 1 070 ON APR 17
MINIMUM DAILY, 26.6B ON FEB 9
MAXIMUM INSTANTANEOUS,
1 070 AT 00:36 CST ON APR 17

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 40 N
LONG 97 10 52 W
DRAINAGE AREA, 117 000 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	83 600	JUL	345 000
FEB	68 300	AUG	211 000
MAR	113 000	SEP	105 000
APR	1 780 000	OCT	372 000
MAY	813 000	NOV	196 000
JUN	380 000	DEC	161 000

TOTAL DISCHARGE, 4 630 000 dam³

RED SUCKER LAKE AT RED SUCKER LAKE - STATION NO. 04AC008

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	29.750A	29.710A	---	---	---	29.953	29.989	30.099	30.022	30.082	30.065	1
2	29.820A	---	---	---	---	29.940A	29.949	29.971	30.098	30.019	30.081	30.073	2
3	---	29.750A	29.710A	---	29.710A	---	29.941	29.962	30.091	30.012	30.079	30.080	3
4	29.820A	---	---	---	---	29.950A	29.938	29.971	30.106	30.019	30.079	30.077	4
5	---	29.740A	29.700A	29.670A	29.720A	---	29.931	29.961	30.096	30.034	30.075	30.083	5
6	29.820A	---	---	---	---	---	29.934	29.972	30.110	30.030	30.073	30.083	6
7	29.816A	---	---	29.660A	29.740A	29.960A	29.933	29.973	30.107	30.029	30.078	30.079	7
8	29.820A	29.740A	29.700A	---	---	---	29.936	29.997	30.102	30.036	30.076	30.076	8
9	---	---	---	29.660A	---	29.951A	29.914	30.004	30.105	30.035	30.079	30.077	9
10	---	29.740A	29.700A	---	29.750A	---	29.918	30.011	30.097	30.035	30.075	30.081	10
11	29.810A	---	---	---	---	29.960A	29.918	30.020	30.107	30.037	30.066	30.074	11
12	---	29.730A	29.700A	29.650A	29.810A	---	29.901	30.034	30.096	30.043	30.062	30.068	12
13	---	---	---	---	---	---	29.891	30.038	30.086	30.054	30.063	30.070	13
14	29.800A	---	---	29.660A	29.820A	29.970A	29.887	30.041	30.078	30.053	30.058	30.072	14
15	---	29.730A	29.690A	---	---	---	29.892	30.073	30.073	30.057	30.057	30.063	15
16	29.790A	---	---	29.650A	---	29.970A	29.891	30.067	30.059	30.052	30.051	30.059	16
17	---	29.730A	29.690A	---	29.850A	---	29.905	30.077	30.056	30.047	30.049	30.060	17
18	29.790A	---	---	---	---	29.970A	29.944	30.090	30.044	30.053	30.048	30.061	18
19	29.790A	29.720A	29.690A	29.650A	29.870A	---	29.948	30.100	30.044	30.064	30.051	30.061	19
20	---	---	---	---	---	---	29.960	30.104	30.049	30.066	30.066	30.060	20
21	29.790A	---	---	29.650A	29.870A	29.960A	29.949	30.100	30.048	30.066	30.079	30.060	21
22	---	29.720A	29.680A	---	---	29.958A	29.949	30.101	30.036	30.067	30.076	30.055	22
23	29.770A	---	---	29.650A	---	29.958	29.957	30.103	30.023	30.066	30.078	30.059	23
24	---	29.710A	29.676A	---	29.880A	29.962	29.954	30.111	30.023	30.073	30.076	30.059	24
25	29.770A	---	---	---	---	29.968	29.954	30.114	30.019	30.070	30.076	30.048	25
26	---	29.710A	29.680A	29.670A	29.880A	29.976	29.944	30.111	30.015	30.067	30.074	30.049	26
27	29.760A	---	---	---	---	29.970	29.949	30.104	30.005	30.071	30.069	30.048	27
28	---	---	---	29.680A	29.890A	29.963	29.948	30.096	29.974	30.075	30.066	30.046	28
29	29.760A		29.670A	---	---	29.971	29.961	30.092	30.001	30.087	30.068	30.044	29
30	---		---	29.690A	---	29.966	29.970	30.096	30.025	30.091	30.073	30.041	30
31	---		29.670A		29.910A		29.988	30.093		30.090		30.040	31
MEAN	---	---	---	---	---	---	29.936	30.051	30.062	30.052	30.069	30.064	MEAN
MAX	---	---	---	---	---	---	29.988	30.114	30.110	30.091	30.082	30.083	MAX
MIN	---	---	---	---	---	---	29.887	29.961	29.974	30.012	30.048	30.040	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 30.114 ON AUG 25

MAXIMUM INSTANTANEOUS,
30.157 AT 15:48 CST ON AUG 26

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 09 23 N
LONG 93 33 53 W

A - MANUAL GAUGE

NATURAL FLOW

REED LAKE NEAR CRANBERRY PORTAGE - STATION NO. 05TA001

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	278.835	279.094	---	278.975	278.879	278.793	---	---	1
2	---	---	---	---	278.845	279.093	---	278.977	278.876	278.794	---	---	2
3	---	---	---	---	278.849	279.101	---	278.979	278.872	278.795	---	---	3
4	---	---	---	---	278.855	279.105	---	278.984A	278.871	278.798	---	---	4
5	---	---	---	---	278.887	279.112	---	278.983A	278.865	278.790	---	---	5
6	---	---	---	---	278.899	279.118	---	278.981	278.857	278.789	---	---	6
7	---	---	---	---	278.908	279.110	---	278.984	278.853	278.789	---	---	7
8	---	---	---	---	278.916	279.112	---	278.986	278.852	278.787	---	---	8
9	---	---	---	---	278.922	279.117	---	278.976	278.853	278.788	---	---	9
10	---	---	---	---	278.931	279.115	---	278.970	278.850	278.788	---	---	10
11	---	---	---	---	278.939	279.115	---	278.962	278.848	278.782	---	---	11
12	---	---	---	---	278.948	279.115	---	278.957	278.848	278.786	---	---	12
13	---	---	---	---	278.957	279.113	279.048A	278.957	278.845	278.782	---	---	13
14	---	---	---	---	278.965	279.116	279.040	278.955	278.834	278.783	---	---	14
15	---	---	---	---	278.973	279.109	279.037	278.958	278.821	278.781	---	---	15
16	---	---	278.829A	---	278.982	279.109	279.035	278.955	278.824	278.781	---	---	16
17	---	---	---	---	278.992	279.110	279.073	278.949	278.819	278.794	---	---	17
18	---	---	---	---	279.002	279.106	279.068	278.945	278.821	278.789	---	---	18
19	---	---	---	---	279.009	279.104	279.060	278.940	278.811	278.782	---	---	19
20	---	---	---	---	279.015	279.119	279.050	278.936	278.806	278.779	---	---	20
21	---	---	---	---	279.020	279.118	279.043	278.931	278.802	278.779	---	---	21
22	---	---	---	---	279.028	279.111	279.033	278.927	278.803	278.779	---	---	22
23	---	---	---	---	279.035	279.103	279.021	278.921	278.800	278.776	---	---	23
24	---	---	---	---	279.040	279.093	279.018	278.914	278.791	278.775	---	---	24
25	---	---	---	---	279.047	279.085	279.019	278.902	278.788	278.774	---	---	25
26	---	---	---	278.805A	279.058	279.082	279.012	278.889	278.789	278.774	---	---	26
27	---	---	---	---	279.072	279.086	279.007	278.885	278.784	278.775	---	---	27
28	---	---	---	---	279.082	279.073	279.007	278.879	278.795	278.777A	---	---	28
29	---		---	---	279.094	279.069A	279.001	278.876	278.811	278.777E	---	---	29
30	---		---	---	279.091	279.069E	278.991	278.873	278.802	278.777E	---	---	30
31	---		---		279.091		278.989	278.881		278.777E		---	31
MEAN	---	---	---	---	278.977	279.103	---	278.942	278.829	278.783	---	---	MEAN
MAX	---	---	---	---	279.094	279.119	---	278.986	278.879	278.798	---	---	MAX
MIN	---	---	---	---	278.835	279.069	---	278.873	278.784	278.774	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 279.119 ON JUN 20

MAXIMUM INSTANTANEOUS,
279.133 AT 13:34 CST ON JUN 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 35 00 N
LONG 100 29 00 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY -250.771 m ADJUSTMENT TO CONVERT TO ASSUMED DATUM

REINDEER LAKE AT BROCHET - STATION NO. 06DB001

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	334.921	---	335.298	335.388	335.267A	335.141	1
2	---	---	---	---	---	---	334.912	---	335.280	335.320	335.228	335.139	2
3	---	---	---	---	---	---	334.927	---	335.299	335.304	335.232	335.134	3
4	334.860A	---	---	---	---	---	334.933	---	335.268	335.302	335.259	335.118	4
5	---	---	---	---	---	---	334.940	---	335.295	335.372	335.283	335.118	5
6	---	---	---	---	---	---	334.932	---	335.341	335.367	335.255	335.122	6
7	---	---	---	---	---	---	334.956	---	335.341	335.327	335.237	335.122	7
8	---	---	---	---	---	---	334.957	---	335.337	335.327	335.234	335.112	8
9	---	---	---	---	---	---	334.979	---	335.314	335.319	335.297	335.108	9
10	---	---	---	---	---	---	334.945	335.218A	335.309	335.323	335.237	335.113	10
11	---	---	---	---	---	---	334.942	335.223	335.392	335.360	335.187	335.107A	11
12	---	---	---	---	---	---	334.956	335.225	335.300	335.333	335.218	---	12
13	---	---	---	---	---	---	334.973	335.260	335.302	335.344	335.219	---	13
14	---	---	---	---	---	---	334.983	335.253	335.372	335.307	335.195	---	14
15	---	---	---	---	---	334.835A	334.982	335.241	335.365	335.293	335.189	---	15
16	---	---	---	---	---	---	334.808	334.956	335.258	335.299	335.288	335.190	---	16
17	---	---	---	---	---	---	334.836	334.983	335.261	335.342	335.275	335.181	---	17
18	---	---	---	---	---	---	334.839	335.006	335.268	335.269	335.319	335.188	---	18
19	---	---	---	---	---	---	334.838	335.051	335.284	335.326	335.326A	335.146	---	19
20	---	---	---	---	---	---	334.853	335.043	335.284	335.351	---	335.161	---	20
21	---	---	---	---	---	---	334.857	335.016	335.278	335.346	---	335.183	---	21
22	---	---	334.528A	---	---	---	334.885	335.020	335.265	335.304	---	335.188	---	22
23	---	---	---	---	---	---	334.853	335.060	335.268	335.316	---	335.177	---	23
24	---	---	---	---	---	---	334.888	335.026	335.276	335.368	---	335.182	---	24
25	---	---	---	---	---	---	334.894	335.035A	335.309	335.316	---	335.171	---	25
26	---	---	---	---	---	---	334.881	---	335.242	335.294	---	335.169	---	26
27	---	---	---	---	---	---	334.880	---	335.252	335.320	---	335.160	---	27
28	---	---	---	---	---	---	334.902	---	335.278	335.288	---	335.150	---	28
29	---		---	---	---	---	334.908	---	335.260	335.196	---	335.141	---	29
30	---		---	---	---	---	334.920	---	335.277	335.320	---	335.138	---	30
31	---		---		---			---	335.281		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	335.316	---	335.202	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	335.392	---	335.297	---	MAX
MIN	---	---	---	---	---	---	---	---	---	335.196	---	335.138	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 52 50 N
LONG 101 40 00 W

A - MANUAL GAUGE

REGULATED SINCE 1930

WATER LEVELS ARE REFERRED TO DEPARTMENT OF NATURAL RESOURCES DATUM (SOUTHEND)

RENNIE RIVER NEAR RENNIE - STATION NO. 05PG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.300B	0.217B	0.130B	0.163B	0.369	0.832	0.658	0.546	0.044	0.025	0.456	0.330B	1
2	0.304B	0.210B	0.122B	0.182B	0.432	0.141	0.649	0.546	0.042	0.025	0.439	0.338B	2
3	0.300B	0.206B	0.116B	0.218B	0.513	0.146	0.766	0.540	0.042	0.026	0.421	0.345B	3
4	0.297B	0.204B	0.116B	0.222B	0.594	0.122	0.741	0.529	0.040	0.027	0.404B	0.330B	4
5	0.298B	0.195B	0.109B	0.219B	1.10	0.150	0.761	0.512	0.039	0.027	0.405B	0.322B	5
6	0.284B	0.197B	0.100B	0.218B	1.83	0.200	0.793	0.498	0.038	0.276	0.415B	0.306B	6
7	0.274B	0.201B	0.093B	0.222B	1.75	0.281	0.671	0.475	0.037	0.565	0.405B	0.293B	7
8	0.268B	0.195B	0.087B	0.220B	1.76	0.299	0.665	0.390	0.037	0.560	0.395B	0.284B	8
9	0.255B	0.190B	0.081B	0.223B	1.78	0.344	0.648	0.365	0.038	0.539	0.401B	0.269B	9
10	0.245B	0.188B	0.081B	0.229B	1.82	0.393	0.641	0.354	0.034	0.559	0.398B	0.259B	10
11	0.242B	0.187B	0.076B	0.231B	1.87	0.425	0.613	0.336	0.033	0.583	0.392B	0.255B	11
12	0.241B	0.180B	0.074B	0.233B	1.91	0.446	0.581	0.291	0.030	0.578	0.370E	0.248B	12
13	0.241B	0.178B	0.082B	0.243B	1.89	0.493	0.546	0.241	0.028	0.570	0.386B	0.240B	13
14	0.244B	0.181B	0.077B	0.299B	1.90	1.11	0.548	0.225	0.027	0.552	0.383B	0.238B	14
15	0.239B	0.183B	0.101B	0.415B	1.88	1.38	0.556	0.180	0.026	0.531	0.377B	0.234B	15
16	0.229B	0.181B	0.103B	0.536	1.90	1.32	0.561	0.161	0.022	0.531	0.377B	0.227B	16
17	0.226B	0.183B	0.098B	0.659	1.96	1.25	0.726	0.142	0.016	0.559	0.373B	0.230B	17
18	0.229B	0.180B	0.095B	0.764	1.96	1.20	0.675	0.140	0.016	0.534	0.368B	0.229B	18
19	0.236B	0.175B	0.090B	0.897	3.04	1.15	0.673	0.133	0.013	0.526	0.372B	0.225B	19
20	0.224B	0.166B	0.086B	0.618	3.36	1.10	0.652	0.121	0.012	0.519	0.393B	0.220B	20
21	0.228B	0.160B	0.084B	0.069	3.14	1.04	0.628	0.110	0.011	0.521	0.409B	0.216B	21
22	0.229B	0.150B	0.082B	0.107	2.93	1.05	0.612	0.102	0.027	0.509	0.406B	0.215B	22
23	0.235B	0.140B	0.083B	0.268	2.72	1.06	0.612	0.101	0.040	0.519	0.399B	0.218B	23
24	0.230B	0.137B	0.094B	0.415	2.59	0.953	0.649	0.089	0.041	0.508	0.383B	0.218B	24
25	0.226B	0.130B	0.098B	0.524	2.45	0.921	0.633	0.076	0.039	0.500	0.373B	0.216B	25
26	0.227B	0.126B	0.094B	0.635	2.33	0.895	0.605	0.069	0.038	0.496	0.367B	0.213B	26
27	0.229B	0.119B	0.089B	0.756	2.19	0.838	0.595	0.061	0.038	0.498	0.356B	0.211B	27
28	0.221B	0.126B	0.086B	0.876	2.08	0.774	0.565	0.059	0.041	0.491	0.352B	0.211B	28
29	0.221B		0.086B	0.963	1.97	0.718	0.576	0.058	0.039	0.491	0.346B	0.204B	29
30	0.215B		0.108B	0.668	1.83	0.679	0.575	0.052	0.026	0.483	0.339B	0.199B	30
31	0.214B		0.165B		1.71		0.560	0.047		0.466		0.199B	31
TOTAL	7.651	4.885	2.986	12.290	59.558	21.710	19.684	7.549	0.949	13.597	11.660	7.782	TOTAL
MEAN	0.247	0.174	0.096	0.410	1.92	0.724	0.635	0.244	0.032	0.439	0.389	0.250	MEAN
MAX	0.304	0.217	0.165	0.963	3.36	1.38	0.766	0.546	0.044	0.583	0.456	0.345	MAX
MIN	0.214	0.119	0.074	0.069	0.369	0.122	0.546	0.047	0.011	0.025	0.339	0.199	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.466
MAXIMUM DAILY, 3.36 ON MAY 20
MINIMUM DAILY, 0.011 ON SEP 21
MAXIMUM INSTANTANEOUS,
3.66 AT 07:49 CST ON MAY 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 42 N
LONG 95 32 40 W
DRAINAGE AREA, 159 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	661	JUL	1 709
FEB	422	AUG	652
MAR	258	SEP	82.0
APR	1 060	OCT	1 170
MAY	5 150	NOV	1 010
JUN	1 880	DEC	669

TOTAL DISCHARGE, 14 700 dam³

RIVERS RESERVOIR NEAR RIVERS - STATION NO. 05MP020

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	467.893	467.143	466.271	465.565	468.640	468.364	468.218	468.129	467.777	467.264	467.905	468.208	1
2	467.876	467.115	466.238	465.610	468.624	468.354	468.210	468.123	467.760	467.264	467.946	468.215	2
3	467.853	467.087	466.204	465.604	468.612	468.344	468.202	468.112	467.743	467.263	467.985	468.213	3
4	467.833	467.058	466.171	465.594	468.602	468.337	468.194	468.109	467.727	467.258	468.025	468.210	4
5	467.815	467.031	466.138	465.582	468.583	468.335	468.187	468.109	467.706	467.256	468.059	468.208	5
6	467.794	467.001	466.101	465.572	468.569	468.338	468.177	468.108	467.686	467.259	468.091	468.203	6
7	467.773	466.966	466.066	465.553	468.554	468.345	468.166	468.107	467.666	467.261	468.128	468.201A	7
8	467.750	466.934	466.030	465.532	468.537	468.334	468.149	468.099	467.645	467.262	468.168	468.198E	8
9	467.725	466.908	465.994	465.514	468.520	468.323	468.132	468.090	467.626	467.272	468.203	468.187E	9
10	467.702	466.876	465.957	465.499	468.506	468.311	468.116	468.080	467.604	467.279	468.235	468.180E	10
11	467.677	466.842	465.923	465.493	468.493	468.304	468.102	468.068	467.577	467.280	468.260	468.173E	11
12	467.654	466.811	465.890	465.660	468.452	468.294	468.087	468.055	467.554	467.281	468.261	468.165E	12
13	467.631	466.782	465.853	466.015	468.435	468.292	468.074	468.044	467.535	467.280	468.260	468.158E	13
14	467.612	466.752	465.818	466.365	468.433	468.291	468.060	468.033	467.508	467.281	468.263	468.150E	14
15	467.588	466.720	465.781	466.786	468.435	468.287	468.048	468.029	467.478	467.283	468.265	468.143A	15
16	467.565	466.691	465.746	467.231	468.426	468.285	468.050	468.015	467.453	467.313	468.268	468.141	16
17	467.542	466.659	465.717	467.674	468.423	468.276	468.044	468.000	467.428	467.366	468.272	468.132	17
18	467.516	466.628	465.680	468.090	468.416	468.274	468.046	467.990	467.406	467.409	468.273	468.121	18
19	467.489	466.597	465.646	468.415	468.400	468.277	468.052	467.978	467.381	467.441	468.273	468.112	19
20	467.463	466.563	465.608	468.633	468.400	468.273	468.058	467.960	467.353	467.474	468.270	468.103	20
21	467.437	466.531	465.568	468.698	468.399	468.269	468.062	467.946	467.336	467.506	468.260	468.095	21
22	467.413	466.497	465.532	468.715	468.398	468.264	468.070	467.931	467.329	467.538	468.250	468.087	22
23	467.389	466.469	465.494	468.719	468.399	468.260	468.101	467.919	467.316	467.567	468.246	468.081	23
24	467.363	466.434	465.455	468.724	468.409	468.258	468.116	467.907	467.302	467.596	468.243	468.068	24
25	467.336	466.402	465.421	468.717	468.410	468.251	468.124	467.895	467.285	467.626	468.236	468.063	25
26	467.311	466.370	465.386	468.700	468.410	468.246	468.129	467.880	467.272	467.655	468.230	468.052	26
27	467.281	466.338	465.350	468.687	468.407	468.245	468.135	467.865	467.270	467.685	468.227	468.044	27
28	467.253	466.304	465.310	468.678	468.404	468.243	468.136	467.847	467.284	467.740	468.222	468.035	28
29	467.225		465.288	468.668	468.392	468.239	468.139	467.831	467.272	467.791	468.218	468.028	29
30	467.198		465.349	468.658	468.384	468.228	468.136	467.812	467.269	467.826	468.212	468.020	30
31	467.172		465.476		468.375		468.134	467.793		467.865		468.008	31
MEAN	467.553	466.732	465.757	467.098	468.466	468.291	468.118	467.996	467.485	467.434	468.192	468.129	MEAN
MAX	467.893	467.143	466.271	468.724	468.640	468.364	468.218	468.129	467.777	467.865	468.273	468.215	MAX
MIN	467.172	466.304	465.288	465.493	468.375	468.228	468.044	467.793	467.269	467.256	467.905	468.008	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 467.610
MAXIMUM DAILY, 468.724 ON APR 24
MINIMUM DAILY, 465.288 ON MAR 29
MAXIMUM INSTANTANEOUS,
468.726 AT 18:00 CST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 37 N
LONG 100 11 58 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

RIVIERE AUX MARAIS NEAR CHRISTIE - STATION NO. 05OC022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.490B	0	0	0	0 E	0.909E	0.001	---	---	1
2	---	---	0 B	0.419B	0	0	0	0.001E	0.008E	0.002	---	---	2
3	---	---	0 B	0.223B	0	0	0	0.002E	0.008E	0.001	---	---	3
4	---	---	0 B	0.218B	0	0	0	0.003E	0.007E	0.001	---	---	4
5	---	---	0 B	0.214B	0	0	0.001	0.004E	0.006E	0	---	---	5
6	---	---	0 B	0.209B	0	0	0.010	0.025E	0.006E	0.001	---	---	6
7	---	---	0 B	0.206B	0	0	0.010	0.024E	0.005E	0.009	---	---	7
8	---	---	0 B	0.262B	0	0	0.006	0.015E	0.005E	0.009	---	---	8
9	---	---	0 B	0.362B	0	0.001	0.002	0.011E	0.004E	0.006	---	---	9
10	---	---	0 B	0.727B	0	0.006	0	0.011E	0.003E	0.012	---	---	10
11	---	---	0 B	1.28 B	0	0.002	0	0.014E	0.003E	0.033	---	---	11
12	---	---	0 B	3.29 B	0	0	0	0.017E	0.002E	0.105	---	---	12
13	---	---	0 B	4.65	0	0	0	0.019E	0.001E	0.214	---	---	13
14	---	---	0 B	5.15	0	0	0	0.020E	0 E	0.238	---	---	14
15	---	---	0 B	4.14	0	0	0 E	0.021E	0 E	0.216	---	---	15
16	---	---	0 B	2.80	0	0	0 E	0.021E	0	0.178	---	---	16
17	---	---	0 B	1.71	0	0	0 E	0.020E	0	0.138	---	---	17
18	---	---	0 B	0.797	0	0	0 E	0.019E	0	0.093	---	---	18
19	---	---	0 B	0.378	0	0	0 E	0.018E	0	0.057	---	---	19
20	---	---	0 B	0.209	0	0	0 E	0.017E	0	0.038	---	---	20
21	---	---	0 B	0.117	0	0	0 E	0.016E	0	0.027	---	---	21
22	---	---	0 B	0.049	0	0	0 E	0.016E	0	0.021	---	---	22
23	---	---	0 B	0.023	0	0.001	0.002E	0.015E	0	0.017	---	---	23
24	---	---	0 B	0.015	0	0	0.021E	0.014E	0	0.014	---	---	24
25	---	---	0 B	0.009	0	0	0.013E	0.013E	0	0.011	---	---	25
26	---	---	0 B	0.003	0	0	0.009E	0.012E	0	0.009	---	---	26
27	---	---	0 B	0	0	0	0.007E	0.011E	0	0.007	---	---	27
28	---	---	0.080B	0	0	0	0.005E	0.010E	0	0.005E	---	---	28
29	---		0.659B	0	0	0	0.005E	0.010E	0.001	0.004E	---	---	29
30	---		0.741B	0	0	0	0.003E	0.009E	0.001	0.003E	---	---	30
31	---		0.623B		0		0.002E	0.009E		0.002E		---	31
TOTAL	---	---	2.103	27.750	0	0.010	0.096	0.417	0.069	1.472	---	---	TOTAL
MEAN	---	---	0.068	0.925	0	0	0.003	0.013	0.002	0.047	---	---	MEAN
MAX	---	---	0.741	5.15	0	0.006	0.021	0.025	0.009	0.238	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.130
MAXIMUM DAILY, 5.15 ON APR 14
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.40 AT 01:38 CST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 03 30 N
LONG 97 18 50 W
DRAINAGE AREA, 138 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8.29
FEB	---	AUG	36.0
MAR	182	SEP	5.96
APR	2 400	OCT	127
MAY	0	NOV	---
JUN	0.86	DEC	---

TOTAL DISCHARGE, 2 760 dam³

ROARING RIVER NEAR MINITONAS - STATION NO. 05LE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.021B	0.084B	3.29	1.72	0.351	2.51 E	0.169E	0.409	---	---	1
2	---	---	0.021B	0.050B	2.75	1.88	0.339A	2.43 E	0.179E	0.623	---	---	2
3	---	---	0.021B	0.053B	2.59	1.79	0.401E	2.40 E	0.195E	0.572	---	---	3
4	---	---	0.021B	0.073B	2.33	1.65	1.20 E	2.45 E	0.192E	0.593	---	---	4
5	---	---	0.020B	0.084B	2.04	1.33	1.27 E	2.28 E	0.188E	0.625	---	---	5
6	---	---	0.020B	0.071B	2.21	1.08	0.933E	2.18 A	0.172E	0.814	---	---	6
7	---	---	0.020B	0.053B	1.96	0.977	0.787E	2.02	0.173E	0.799	---	---	7
8	---	---	0.019B	0.059B	1.75	0.893	0.763E	1.75	0.174E	0.758	---	---	8
9	---	---	0.019B	0.072B	1.71	0.838	0.729E	1.66	0.182E	0.713	---	---	9
10	---	---	0.019B	0.112B	1.61	0.821	0.639E	1.56	0.181E	0.668	---	---	10
11	---	---	0.018B	0.096B	1.56	0.747	0.580E	1.45	0.175E	0.685	---	---	11
12	---	---	0.018B	0.162B	1.69	0.663	0.580E	1.30	0.173E	0.630	---	---	12
13	---	---	0.018B	0.987B	2.02	0.604	0.522E	1.20	0.162E	0.637	---	---	13
14	---	---	0.018B	2.13 B	2.15	0.553	0.481E	1.10	0.160E	0.623	---	---	14
15	---	---	0.017B	3.67 B	2.17	0.509	0.451E	1.01	0.158A	0.627	---	---	15
16	---	---	0.017B	3.46 B	2.09	0.485	0.442E	0.940	0.170	0.633	---	---	16
17	---	---	0.017B	4.07 B	2.07	0.455	8.50 E	0.876	0.172	0.636	---	---	17
18	---	---	0.016B	4.57 B	1.99	0.436	18.7 E	0.840	0.173	0.609	---	---	18
19	---	---	0.016B	3.99 B	2.14	0.426	25.7 A	0.790	0.181	0.586	---	---	19
20	---	---	0.015B	4.42 B	2.35	0.418	21.8 E	0.722	0.166	0.557	---	---	20
21	---	---	0.015B	4.52 B	2.45	0.411	16.4 E	0.669	0.198	0.552	---	---	21
22	---	---	0.015B	6.28 B	2.19	0.389	12.3 E	0.629	0.186	0.559	---	---	22
23	---	---	0.015B	6.73 B	1.97	0.403	9.31 E	0.599A	0.172	0.552	---	---	23
24	---	---	0.014B	7.46 B	1.94	0.433	6.61 E	0.520E	0.159	0.550	---	---	24
25	---	---	0.014B	6.97 B	1.97	0.462	4.75 E	0.425E	0.152	0.550	---	---	25
26	---	---	0.014B	6.07	1.62	0.467	3.70 E	0.381E	0.151	0.561	---	---	26
27	---	---	0.013B	5.55	1.43	0.479	2.62 E	0.337E	0.153	0.520	---	---	27
28	---	---	0.013B	4.86	1.32	0.449	2.06 E	0.299E	0.197	0.473	---	---	28
29	---		0.022B	4.47	1.29	0.416	2.01 E	0.263E	0.269	0.491	---	---	29
30	---		0.096B	4.04	1.39	0.382	2.69 E	0.237E	0.285	0.466	---	---	30
31	---		0.084B		1.43		2.74 E	0.210E		0.455		---	31
TOTAL	---	---	0.686	85.216	61.46	22.565	158.358	36.037	5.415	18.476	---	---	TOTAL
MEAN	---	---	0.022	2.84	1.98	0.752	4.95	1.16	0.181	0.596	---	---	MEAN
MAX	---	---	0.096	7.46	3.29	1.88	25.7	2.51	0.285	0.814	---	---	MAX
MIN	---	---	0.013	0.050	1.29	0.382	0.339	0.210	0.151	0.409	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.55
MAXIMUM DAILY, 25.7A ON JUL 19
MINIMUM DAILY, 0.013B ON MAR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 09 10 N
LONG 101 03 10 W
DRAINAGE AREA, 837 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	13 000
FEB	---	AUG	3 110
MAR	59.3	SEP	468
APR	7 360	OCT	1 600
MAY	5 310	NOV	---
JUN	1 950	DEC	---

TOTAL DISCHARGE, 32 900 dam³

ROCK LAKE NEAR GLENORA - STATION NO. 05OB004

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	405.330	405.360	405.393E	405.434	405.944	405.418	405.312	405.132	405.020	405.008	405.158	405.211	1
2	405.336E	405.360E	405.396E	405.496E	405.894	405.408	405.302	405.127E	405.020	405.008	405.158	---	2
3	405.342E	405.360E	405.400	405.559E	405.854	405.348	405.282	405.122	405.020	405.018	405.158	---	3
4	405.349E	405.360	405.396E	405.621E	405.817E	405.358	405.282	405.117E	405.020	405.018	405.168	405.236	4
5	405.355	405.360E	405.393E	405.684	405.781E	405.318	405.272	405.112	405.020	405.018	405.168	---	5
6	405.353E	405.360E	405.390	405.704	405.744	405.408	405.262	405.117E	405.020	405.018	405.168	---	6
7	405.352E	405.360E	405.385E	405.794	405.704	405.468	405.242	405.122	405.008	405.028	405.168	---	7
8	405.350	405.360E	405.380	405.804	405.644	405.508	405.232	405.112E	405.008	405.038	---	---	8
9	405.350E	405.360	405.380E	405.824	405.654	405.538	405.222	405.103	405.008	405.043E	405.168	---	9
10	405.350E	405.363E	405.380E	405.834	405.674	405.548	405.212	405.106E	405.008	405.048	405.178	---	10
11	405.350	405.366E	405.380E	405.834	405.624	405.558	405.212	405.110	404.998	405.058	405.178	---	11
12	405.353E	405.370	405.380	405.834	405.614	405.568	405.212	405.110E	405.008	405.058	---	---	12
13	405.356E	405.370E	405.376E	405.884	405.614	405.558	405.212	405.110	404.998	405.078	---	---	13
14	405.360	405.370E	405.373E	405.994	405.614	405.548	405.202	405.105E	404.998	405.088	---	---	14
15	405.360E	405.370	405.370	406.152	405.604	405.508	405.192	405.100	404.998	405.088	---	---	15
16	405.360E	405.370E	405.370E	406.240	405.604	405.488	405.192	405.095E	404.998	405.098	405.185	---	16
17	405.360E	405.370	405.370E	406.324	405.602E	405.478	405.172	405.090	404.998	405.098	---	---	17
18	405.360	405.370E	405.370	406.364	405.601E	405.468	405.162	405.080E	404.988	405.108	---	---	18
19	405.360E	405.370	405.370E	406.384	405.599E	405.448	405.152	405.070	404.988	405.108	405.190	---	19
20	405.360E	405.370E	405.370E	406.394	405.598	405.438	405.152	405.060E	404.988	405.108	---	---	20
21	405.360E	405.370E	405.370E	406.364	405.588	405.428	405.152	405.050	404.978	405.118	---	---	21
22	405.360	405.370	405.370E	406.344	405.588	405.418	405.142	405.050	404.968	405.118	---	405.268	22
23	405.360E	405.373E	405.370	406.304	405.578	405.418	405.152	405.050	404.968	405.118	---	---	23
24	405.360E	405.376E	405.404	406.274	405.568	405.408	405.142	405.040	404.968	405.118	---	---	24
25	405.360E	405.380	405.404E	406.234	405.558	405.393E	405.142	405.040	404.978	405.128	---	---	25
26	405.360E	405.383E	405.404	406.174	405.538	405.378	405.152	405.020	404.988	405.138	---	---	26
27	405.360E	405.386E	405.409E	406.134	405.503E	405.368	405.147E	405.020	404.998	405.138	---	---	27
28	405.360E	405.390E	405.414E	406.084E	405.468	405.354	405.142	405.020	404.998	405.138	---	---	28
29	405.360E		405.419E	406.034	405.448E	405.322	405.137E	405.050	405.008	405.148	---	---	29
30	405.360E		405.424	405.984	405.428	405.312	405.132	405.040	405.008	405.148	---	---	30
31	405.360E		405.429E		405.428		405.132E	405.020		405.148		---	31
MEAN	405.355	405.369	405.388	406.003	405.628	405.439	405.195	405.081	404.999	405.084	---	---	MEAN
MAX	405.360	405.390	405.429	406.394	405.944	405.568	405.312	405.132	405.020	405.148	---	---	MAX
MIN	405.330	405.360	405.370	405.434	405.428	405.312	405.132	405.020	404.968	405.008	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 406.394 ON APR 20
MINIMUM DAILY, 404.968 ON SEP 22

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 12 40 N
LONG 99 08 45 W
DATA CONTRIBUTED BY - MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

ROCKY LAKE NEAR WANLESS - STATION NO. 05KH006

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	261.372	261.406	261.347	261.242	261.155	261.084	---	---	1
2	---	---	---	---	261.374	261.407	261.326	261.218	261.154	261.087	---	---	2
3	---	---	---	---	261.379	261.413	261.335	261.246	261.148	261.073	---	---	3
4	---	---	---	---	261.386	261.413	261.351	261.248	261.144	261.071	---	---	4
5	---	---	---	---	261.390	261.417	261.338	261.244	261.134	261.088	---	---	5
6	---	---	---	---	261.396	261.422	261.334	261.242	261.134	261.084	---	---	6
7	---	---	---	---	261.399	261.408	261.341	261.237	261.133	261.082	---	---	7
8	---	---	---	---	261.399	261.411	261.334	261.228	261.127	261.086	---	---	8
9	---	---	---	---	261.401	261.408	261.333	261.227	261.118	261.086	---	---	9
10	---	---	---	---	261.402	261.404	261.334	261.229	261.114	261.085	---	---	10
11	---	---	---	---	261.402	261.403	261.333	261.225	261.122	261.086	---	---	11
12	---	---	---	---	261.408	261.403	261.323	261.224	261.108	261.088	---	---	12
13	---	---	---	261.294	261.407	261.398	261.319	261.226	261.099	261.089	---	---	13
14	---	---	---	261.336	261.406	261.397	261.314	261.220	261.097	261.086	---	---	14
15	---	---	---	261.381	261.401	261.401	261.318	261.217	261.096	261.084	---	---	15
16	---	---	261.306A	261.382	261.403	261.384	261.316	261.217	261.091	261.072	---	---	16
17	---	---	---	261.380	261.411	261.391	261.290	261.214	261.081	261.077	---	---	17
18	---	---	---	261.381	261.408	261.391	261.308	261.215	261.078	261.095	---	---	18
19	---	---	---	261.385	261.409	261.390	261.305	261.210	261.067	261.105	---	---	19
20	---	---	---	261.376	261.416	261.387	261.302	261.203	261.080	261.106	---	---	20
21	---	---	---	261.364	261.415	261.386	261.293	261.193	261.081	261.102	---	---	21
22	---	---	---	261.359	261.417	261.382	261.283	261.185	261.077	261.095	---	---	22
23	---	---	---	261.345	261.416	261.381	261.289	261.184	261.075	261.104	---	---	23
24	---	---	---	261.330	261.417	261.383	261.275	261.181	261.078	261.107	---	---	24
25	---	---	---	261.335	261.416	261.383	261.274	261.179	261.079	261.108	---	---	25
26	---	---	---	261.342	261.415	261.377	261.273	261.173	261.068	261.108	---	---	26
27	---	---	---	261.367	261.394	261.367	261.272	261.151	261.050	261.111	---	---	27
28	---	---	---	261.396	261.397	261.358	261.273	261.140	261.030	261.112	---	---	28
29	---		---	261.393	261.386	261.363	261.272	261.157	261.063	261.115A	---	---	29
30	---		---	261.381	261.398	261.359	261.270	261.137	261.082	261.115E	---	---	30
31	---		---		261.406		261.256	261.142		261.115E		---	31
MEAN	---	---	---	---	261.401	261.393	261.307	261.205	261.099	261.094	---	---	MEAN
MAX	---	---	---	---	261.417	261.422	261.351	261.248	261.155	261.115	---	---	MAX
MIN	---	---	---	---	261.372	261.358	261.256	261.137	261.030	261.071	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 261.422 ON JUN 6

MAXIMUM INSTANTANEOUS, 261.431 AT 06:50 CST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 10 14 N
LONG 101 23 40 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

ROLLING RIVER NEAR ERICKSON - STATION NO. 05MP008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.063B	0.012B	0.033B	0.051B	7.73	2.23	0.315	1.59	0.231	0.429	2.36	0.275B	1
2	0.064B	0.011B	0.031B	0.059B	7.51	2.00	0.313	1.36	0.232	0.469	2.28	0.279B	2
3	0.057B	0.010B	0.026B	0.072B	7.02	1.77	0.315	1.18	0.231	0.436	2.25	0.300B	3
4	0.061B	0.010B	0.023B	0.088B	6.31	1.59	0.313	1.02	0.237	0.410	2.28 B	0.292B	4
5	0.062B	0.009B	0.018B	0.105B	5.44	1.52	0.317	0.931	0.230	0.391	2.16 B	0.298B	5
6	0.062B	0.010B	0.015B	0.121B	4.79	1.51	0.317	0.877	0.239	0.359	1.59 B	0.288B	6
7	0.059B	0.011B	0.013B	0.137B	4.29	1.59	0.313	0.828	0.241	0.342	1.27 B	0.265B	7
8	0.056B	0.008B	0.011B	0.144B	3.79	1.55	0.315	0.720	0.247	0.342	1.12 B	0.246B	8
9	0.053B	0.007B	0.011B	0.146B	3.42	1.56	0.316	0.637	0.232	0.344	0.944B	0.222B	9
10	0.051B	0.008B	0.011B	0.141B	3.12	1.53	0.313	0.572	0.206	0.362	0.851B	0.209B	10
11	0.049B	0.005B	0.011B	0.135B	2.89	1.45	0.310	0.545	0.184	0.415	0.739B	0.207B	11
12	0.044B	0.003B	0.010B	0.131B	2.85	1.33	0.316	0.540	0.180	0.733	0.522B	0.203B	12
13	0.044B	0.002B	0.010B	0.285B	3.01	1.18	0.337	0.514	0.182	1.15	0.654B	0.200B	13
14	0.042B	0.004B	0.009B	1.66 B	3.10	1.09	0.359	0.511	0.169	1.45	0.541B	0.193B	14
15	0.036B	0.002B	0.007B	3.41 B	3.01	1.06	0.447	0.529	0.139	1.63	0.503B	0.204B	15
16	0.027B	0.001B	0.006B	4.02 B	2.97	1.02	0.615	0.559	0.116	1.67	0.485B	0.190B	16
17	0.021B	0.004B	0.006B	7.10 B	3.04	0.842	0.808	0.645	0.104	1.54	0.450B	0.191B	17
18	0.016B	0.004B	0.005B	10.0 B	3.29	0.662	1.74	0.866	0.103	1.28	0.422B	0.188B	18
19	0.014B	0.004B	0.005B	11.6 B	3.56	0.548	2.08	0.862	0.100	1.16	0.401B	0.163B	19
20	0.012B	0.006B	0.004B	11.6 B	3.84	0.506	2.04	0.762	0.095	1.16	0.385B	0.157B	20
21	0.010B	0.009B	0.004B	11.0	4.12	0.467	1.75	0.682	0.098	1.16	0.333B	0.149B	21
22	0.010B	0.016B	0.004B	12.3	4.31	0.468	1.37	0.613	0.094	1.16	0.395B	0.146B	22
23	0.013B	0.022B	0.004B	12.0	4.10	0.467	1.09	0.523	0.093	1.12	0.337B	0.141B	23
24	0.009B	0.022B	0.004B	11.2	3.81	0.463	0.845	0.487	0.099	1.08	0.325B	0.137B	24
25	0.007B	0.037B	0.005B	10.4	3.58	0.436	0.722	0.406	0.099	1.04	0.339B	0.134B	25
26	0.010B	0.052B	0.005B	9.95	3.54	0.425	0.676	0.412	0.096	1.03	0.331B	0.130B	26
27	0.016B	0.041B	0.005B	9.48	3.27	0.413	0.694	0.417	0.103	1.02	0.297B	0.127B	27
28	0.011B	0.033B	0.005B	9.21	3.00	0.373	0.672	0.375	0.163	1.06	0.292B	0.123B	28
29	0.010B		0.012B	8.79	2.74	0.338	0.742	0.350	0.201	1.34	0.288B	0.120B	29
30	0.010B		0.028B	8.25	2.52	0.321	1.08	0.300	0.256	1.69	0.287B	0.116B	30
31	0.011B		0.037B		2.38		1.57	0.252		2.11		0.113B	31
TOTAL	1.010	0.363	0.378	153.585	122.35	30.709	23.410	20.825	5.000	29.872	25.431	6.006	TOTAL
MEAN	0.033	0.013	0.012	5.12	3.95	1.02	0.755	0.672	0.167	0.964	0.848	0.194	MEAN
MAX	0.064	0.052	0.037	12.3	7.73	2.23	2.08	1.59	0.256	2.11	2.36	0.300	MAX
MIN	0.007	0.001	0.004	0.051	2.38	0.321	0.310	0.252	0.093	0.342	0.287	0.113	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.15
MAXIMUM DAILY, 12.3 ON APR 22
MINIMUM DAILY, 0.001B ON FEB 16
MAXIMUM INSTANTANEOUS,
12.7B AT 22:38 CST ON APR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 31 12 N
LONG 99 56 27 W
DRAINAGE AREA, 759 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	87.3	JUL	2 020
FEB	31.4	AUG	1 800
MAR	32.7	SEP	432
APR	13 300	OCT	2 580
MAY	10 600	NOV	2 200
JUN	2 650	DEC	519

TOTAL DISCHARGE, 36 300 dam³

ROSEAU RIVER AT GARDENTON - STATION NO. 05OD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.312B	7.97B	46.4	15.3	5.78	5.95	2.48	1.04	---	---	1
2	---	---	0.312B	10.5 B	46.8	13.7	6.09	6.33	2.40	2.02	---	---	2
3	---	---	0.312B	7.24B	46.9A	12.2	6.29	6.31	2.27	2.91	---	---	3
4	---	---	0.312B	7.88B	47.2A	10.5	6.30	5.90	2.16	3.93	---	---	4
5	---	---	0.312B	15.1 B	45.9A	9.28	6.79	5.45	2.03	5.27	---	---	5
6	---	---	0.312B	24.5 B	45.7A	8.53	10.0	5.25	1.92	6.63	---	---	6
7	---	---	0.312B	22.2 B	45.1E	9.40	12.8	4.69	1.83	7.84	---	---	7
8	---	---	0.312B	20.3 B	44.5E	8.54	14.4	4.12	1.70	9.25	---	---	8
9	---	---	0.312B	19.3 B	43.9E	9.66	15.6	3.99	1.54	12.3	---	---	9
10	---	---	0.322B	18.8 B	43.3A	10.9	15.9	4.53	1.38	15.6	---	---	10
11	---	---	0.314B	19.3 B	42.1A	11.1	15.3	4.94	1.25	17.9	---	---	11
12	---	---	0.314B	21.9 B	40.9A	11.7	14.1	4.89	1.16	19.7	---	---	12
13	---	---	0.319B	24.4 B	40.0A	12.2	12.7	4.52	1.15	21.1	---	---	13
14	---	---	0.314B	30.2 B	38.8A	12.1	11.3	4.06	1.11	22.3	---	---	14
15	---	---	0.321B	36.1 B	38.0A	11.0	10.1	3.59	1.04	23.0	---	---	15
16	---	---	0.317B	31.5	37.5E	10.1	9.09	3.10	0.967	23.7	---	---	16
17	---	---	0.319B	39.2	37.0E	9.25	8.12	2.71	0.894	24.2	---	---	17
18	---	---	0.318B	38.5	36.5A	8.36	6.72	2.37	0.842	24.5	---	---	18
19	---	---	0.306B	37.1	35.5	7.68	5.81	1.93	0.808	24.6	---	---	19
20	---	---	0.318B	36.6	34.2	7.23	4.96	1.66	0.790	24.6	---	---	20
21	---	---	0.325B	36.5	32.8	6.68	4.34	1.69	0.755	24.5	---	---	21
22	---	---	0.314B	36.7	31.3	6.42	3.93	2.52	0.747	24.3	---	---	22
23	---	---	0.307B	37.6	30.1	6.25	3.59	2.98	0.752	24.2	---	---	23
24	---	---	0.303B	39.0	29.3	5.73	4.11	2.89	0.711	24.0	---	---	24
25	---	---	0.291B	40.1	28.2	5.18	6.72	2.77	0.694	23.6	---	---	25
26	---	---	0.286B	41.6	26.9	4.67	7.46	2.64	0.728	23.1	---	---	26
27	---	---	0.288B	43.0	25.4	4.10	7.48	2.56	0.766	22.4	---	---	27
28	---	---	0.311B	44.3	23.5	4.31	6.88	2.43	0.940	21.7	---	---	28
29	---		0.406B	45.3	21.3	5.72	6.07	2.37	1.05	20.9	---	---	29
30	---		3.33 B	45.8	19.0	5.99	5.73	2.39	1.06	19.6	---	---	30
31	---		8.32 B		17.0		5.55	2.45		18.4		---	31
TOTAL	---	---	20.771	878.49	1 121.0	263.78	259.97	113.98	37.924	539.09	---	---	TOTAL
MEAN	---	---	0.670	29.3	36.2	8.79	8.39	3.68	1.26	17.4	---	---	MEAN
MAX	---	---	8.32	45.8	47.2	15.3	15.9	6.33	2.48	24.6	---	---	MAX
MIN	---	---	0.286	7.24	17.0	4.10	3.59	1.66	0.694	1.04	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.2
MAXIMUM DAILY, 47.2A ON MAY 4
MINIMUM DAILY, 0.286B ON MAR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 16 N
LONG 96 41 15 W
DRAINAGE AREA, 4 430 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	22 500
FEB	---	AUG	9 850
MAR	1 790	SEP	3 280
APR	75 900	OCT	46 600
MAY	96 900	NOV	---
JUN	22 800	DEC	---

TOTAL DISCHARGE, 280 000 dam³

ROSEAU RIVER NEAR CARIBOU - STATION NO. 05OD030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.651B	0.340B	0.453B	2.69B	47.0	14.4	6.17	6.65	2.27	1.56	15.5	2.83B	1
2	0.623B	0.340B	0.453B	3.40B	46.7	13.0	6.29	6.88	2.18	2.58	14.4	3.40B	2
3	0.595B	0.368B	0.453B	4.25B	46.7	11.5	6.29	6.68	2.07	3.48	13.3	3.96B	3
4	0.566B	0.368B	0.453B	4.53B	46.2	10.1	6.06	6.20	1.93	4.76	12.3	4.25B	4
5	0.566B	0.368B	0.453B	4.53B	45.6	8.67	7.02	5.55	1.73	6.09	11.6	4.25B	5
6	0.538B	0.368B	0.481B	4.39B	44.5	7.62	11.0	5.10	1.59	7.11	10.8	4.25B	6
7	0.510B	0.368B	0.481B	4.25B	43.0	7.08	13.1	4.50	1.53	8.38	10.1	4.25B	7
8	0.481B	0.368B	0.481B	4.11B	42.2	6.97	14.5	3.94	1.33	10.2	9.49	4.25B	8
9	0.453B	0.368B	0.481B	3.96B	41.6	7.56	15.2	4.33	1.13	13.7	8.92	3.96B	9
10	0.425B	0.368B	0.481B	3.96B	41.6	8.61	15.1	5.10	0.991	16.9	8.21	3.68B	10
11	0.425B	0.368B	0.510B	5.66B	40.8	9.49	14.1	5.15	0.991	19.0	7.62	3.11B	11
12	0.396B	0.368B	0.510B	8.50B	39.6	10.5	12.5	4.79	0.906	20.4	7.08B	2.55B	12
13	0.396B	0.368B	0.510B	11.3 B	38.2	11.0	11.0	4.25	0.906	21.8	6.80B	2.27B	13
14	0.368B	0.368B	0.510B	17.0 B	37.1	10.6	9.85	3.51	0.850	22.2	6.51B	2.12B	14
15	0.368B	0.368B	0.510B	21.8 B	36.2	9.88	8.89	2.89	0.821	22.3	6.09B	1.98B	15
16	0.368B	0.396B	0.538B	26.9 B	35.4	9.03	7.99	2.21	0.708	22.3	5.66B	1.84B	16
17	0.368B	0.396B	0.538B	33.4	34.8	8.30	7.05	1.78	0.708	22.5	5.38B	1.70B	17
18	0.340B	0.396B	0.538B	34.3	34.0	7.42	6.00	1.59	0.651	22.7	5.38B	1.61B	18
19	0.340B	0.396B	0.538B	35.4	32.8	6.77	5.15	1.42	0.680	22.8	5.38B	1.53B	19
20	0.340B	0.396B	0.538B	36.2	31.4	6.43	4.36	1.25	0.623	22.7	5.38B	1.47B	20
21	0.340B	0.396B	0.566B	37.1	30.3	6.06	3.91	2.04	0.651	22.6	5.10B	1.42B	21
22	0.340B	0.396B	0.566B	38.2	29.2	5.95	3.26	3.23	0.595	22.5	4.81B	1.36B	22
23	0.340B	0.425B	0.566B	39.6	28.6	5.72	2.78	3.28	0.651	22.4	4.53B	1.33B	23
24	0.340B	0.425B	0.566B	41.3	27.7	5.32	4.93	3.11	0.680	22.0	4.25B	1.30B	24
25	0.340B	0.425B	0.566B	42.5	26.5	4.90	7.50	2.86	0.680	21.6	3.96B	1.25B	25
26	0.340B	0.425B	0.566B	43.9	25.2	4.42	7.99	2.69	0.651	21.1	3.68B	1.19B	26
27	0.340B	0.425B	0.595B	44.7	23.5	4.16	7.62	2.46	0.736	20.4	3.40B	1.16B	27
28	0.340B	0.425B	0.708B	45.9	21.6	5.55	6.88	2.27	1.02	19.6	3.26B	1.13B	28
29	0.340B		0.850B	46.4	19.7	6.37	6.26	2.29	1.13	18.8	3.11B	1.10B	29
30	0.340B		1.13 B	47.0	17.7	6.23	5.92	2.29	1.05	17.6	2.97B	1.08B	30
31	0.340B		1.70 B		16.1		6.12	2.32		16.6		1.05B	31
TOTAL	12.857	10.786	18.289	697.13	1 071.5	239.61	250.79	112.61	32.439	518.66	214.97	72.63	TOTAL
MEAN	0.415	0.385	0.590	23.2	34.6	7.99	8.09	3.63	1.08	16.7	7.17	2.34	MEAN
MAX	0.651	0.425	1.70	47.0	47.0	14.4	15.2	6.88	2.27	22.8	15.5	4.25	MAX
MIN	0.340	0.340	0.453	2.69	16.1	4.16	2.78	1.25	0.595	1.56	2.97	1.05	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.91
MAXIMUM DAILY, 47.0 ON APR 30
MINIMUM DAILY, 0.340B ON JAN 18
MAXIMUM INSTANTANEOUS,
47.1 AT 18:30 CST ON MAY 1

SUMMARY FOR THE YEAR 1982

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 58 54 N
LONG 96 27 46 W
DRAINAGE AREA, 4 120 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 110	JUL	21 700
FEB	932	AUG	9 730
MAR	1 580	SEP	2 800
APR	60 200	OCT	44 800
MAY	92 600	NOV	18 600
JUN	20 700	DEC	6 280

TOTAL DISCHARGE, 281 000 dam³

ROSEAU RIVER NEAR DOMINION CITY - STATION NO. 05OD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.699B	0.404B	0.837B	21.1 B	49.3	18.3	6.06	5.46	2.80	0.983	19.1	5.21B	1
2	0.759B	0.392B	0.814B	17.9 B	49.6	16.7	5.89	5.43	2.82	1.10	18.0	6.49B	2
3	0.800B	0.377B	0.782B	11.6 B	49.8	15.1	6.62	5.57	2.76	1.27	17.1	10.7 B	3
4	0.860B	0.365B	0.750B	8.67B	50.0	13.5 A	6.42	5.51	2.61	1.97	15.5	11.8 B	4
5	0.874B	0.364B	0.704B	8.56B	49.5	11.9 A	7.71	5.11	2.57	2.69	14.1	10.9 B	5
6	0.828B	0.363B	0.662B	8.84B	48.7	11.1 A	10.7	5.58	2.46	3.59	13.6	8.76B	6
7	0.699B	0.359B	0.611B	14.8 B	48.1	11.1 A	13.4	5.39	2.36	8.41	12.9	7.39B	7
8	0.618B	0.350B	0.533B	16.6 B	47.3	16.2 A	14.9	4.65	2.27	10.0	11.9	6.35B	8
9	0.571B	0.339B	0.452B	15.1 B	47.3	15.9 A	16.1	4.05	2.20	11.6	10.7 B	6.02B	9
10	0.569B	0.329B	0.430B	14.4 B	47.4	16.7 E	16.8	3.72	2.14	16.3	11.6 B	6.08B	10
11	0.567B	0.319B	0.417B	14.1 B	47.1	16.5 E	16.6	3.86	2.03	21.6	9.68B	5.43B	11
12	0.568B	0.311B	0.412B	17.5 B	46.1	16.3 E	15.7	4.12	1.94	24.1	10.3 B	4.67B	12
13	0.567B	0.302B	0.483B	21.6 B	45.0	16.7 E	14.4	4.18	1.86	25.1	9.56B	4.14B	13
14	0.570B	0.293B	0.607B	23.9 B	43.9	16.8 E	13.0	3.97	1.80	25.3	7.87B	3.71B	14
15	0.571B	0.278B	0.879B	26.5 B	43.0	15.6 A	11.5	3.71	1.78	25.4	10.9 B	3.31B	15
16	0.553B	0.267B	0.996B	33.9 B	42.3	13.9	10.2	3.47	1.78	25.7	11.4 B	3.01B	16
17	0.532B	0.257B	1.22 B	38.8 B	42.1	12.5	10.1	2.98	1.81	26.2	9.19B	2.88B	17
18	0.528B	0.461B	1.87 B	46.7 B	42.8	11.0	8.41	3.09	1.78	26.4	7.07B	2.73B	18
19	0.528B	0.869B	2.01 B	47.0	42.1	9.93	6.85	3.68	1.77	26.4	6.55B	2.59B	19
20	0.531B	0.846B	1.81 B	45.3	39.6	9.41	5.90	3.36	1.74	26.5	7.05B	2.48B	20
21	0.532B	0.879B	1.65 B	44.6	37.7	8.86	5.34	3.00	1.67	26.4	5.88B	2.35B	21
22	0.526B	0.934B	1.69 B	44.2	35.9	8.03	4.44	2.96	1.60	26.3	5.49B	2.30B	22
23	0.511B	0.979B	2.11 B	44.0	34.0	7.42	4.01	3.32	1.56	26.1	4.20B	2.28B	23
24	0.515B	0.979B	2.06 B	44.5	32.3	7.02	8.89	3.73	1.52	25.8	5.94B	2.20B	24
25	0.518B	0.984B	1.88 B	45.0	31.4	6.31	10.9	3.65	1.42	25.4	6.70B	2.07B	25
26	0.507B	1.00 B	1.82 B	45.4	30.2	5.70	11.2	3.40	1.33	24.9	6.54B	1.98B	26
27	0.474B	0.962B	1.78 B	46.4	28.7	5.15	10.2	3.20	1.26	24.3	6.26B	1.92B	27
28	0.456B	0.897B	1.76 B	47.4	26.9	4.51	9.00	3.00	1.41	23.4	6.26B	1.85B	28
29	0.443B		2.09 B	48.2	24.7	4.55	8.01	2.88	1.34	22.6	5.98B	1.73B	29
30	0.441B		6.37 B	48.9	22.5	5.84	6.88	2.79	1.02	21.5	5.56B	1.64B	30
31	0.424B		20.5 B		20.3		5.97	2.80		20.3		1.55B	31
TOTAL	18.139	15.459	60.989	911.37	1 245.6	348.53	302.10	121.58	57.41	577.613	292.87	136.52	TOTAL
MEAN	0.585	0.552	1.97	30.4	40.2	11.6	9.75	3.92	1.91	18.6	9.76	4.40	MEAN
MAX	0.874	1.00	20.5	48.9	50.0	18.3	16.8	5.57	2.82	26.5	19.1	11.8	MAX
MIN	0.424	0.257	0.412	8.56	20.3	4.51	4.01	2.79	1.02	0.983	4.20	1.55	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.2
MAXIMUM DAILY, 50.0 ON MAY 4
MINIMUM DAILY, 0.257B ON FEB 17
MAXIMUM INSTANTANEOUS,
50.0 AT 00:15 CST ON MAY 5

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 53 N
LONG 97 03 15 W
DRAINAGE AREA, 5 150 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 570	JUL	26 100
FEB	1 340	AUG	10 500
MAR	5 270	SEP	4 960
APR	78 700	OCT	49 900
MAY	108 000	NOV	25 300
JUN	30 100	DEC	11 800

TOTAL DISCHARGE, 354 000 dam³

ROSEISLE CREEK NEAR ROSEISLE - STATION NO. 05OF009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.41 B	0.181	0.062	0.017	0.002	0	0.003	---	---	1
2	---	---	0 B	1.03 B	0.181	0.057	0.016	0.002	0	0.004	---	---	2
3	---	---	0 B	1.68 B	0.140	0.049	0.017	0.002	0	0.004	---	---	3
4	---	---	0 B	1.04 B	0.135	0.045	0.016	0.001	0	0.004	---	---	4
5	---	---	0 B	0.753B	0.132	0.042	0.024	0.001	0	0.003	---	---	5
6	---	---	0 B	0.548B	0.129	0.060	0.021	0.004	0	0.004	---	---	6
7	---	---	0 B	0.415B	0.124	0.135	0.017	0.002	0	0.006	---	---	7
8	---	---	0 B	0.361B	0.116	0.178	0.015	0.001	0	0.005	---	---	8
9	---	---	0 B	0.415B	0.115	0.176	0.016	0.001	0	0.005	---	---	9
10	---	---	0 B	0.383B	0.152	0.152	0.016	0.001	0	0.007	---	---	10
11	---	---	0 B	0.615B	0.158	0.133	0.014	0.001	0	0.008	---	---	11
12	---	---	0 B	4.25 B	0.160	0.084	0.010	0.001	0	0.011	---	---	12
13	---	---	0 B	3.14 B	0.160	0.075	0.022	0.001	0	0.010	---	---	13
14	---	---	0 B	2.54	0.172	0.075	0.018	0.001	0	0.018	---	---	14
15	---	---	0.001B	2.97	0.197	0.060	0.018	0.001	0	0.019	---	---	15
16	---	---	0.003B	2.19	0.218	0.053	0.026	0	0	0.020	---	---	16
17	---	---	0.002B	1.46	0.251	0.047	0.037	0	0	0.021	---	---	17
18	---	---	0 B	1.13	0.327	0.044	0.022	0	0	0.020	---	---	18
19	---	---	0 B	0.858	0.341	0.043	0.017	0	0	0.020	---	---	19
20	---	---	0 B	0.637	0.304	0.046	0.013	0	0	0.020	---	---	20
21	---	---	0 B	0.524	0.252	0.045	0.009	0	0	0.020	---	---	21
22	---	---	0 B	0.451	0.216	0.044	0.008	0	0	0.019	---	---	22
23	---	---	0 B	0.421	0.188	0.044	0.014	0	0	0.019	---	---	23
24	---	---	0 B	0.397	0.166	0.040	0.008	0	0	0.018	---	---	24
25	---	---	0 B	0.346	0.147	0.032	0.007	0	0	0.019	---	---	25
26	---	---	0 B	0.301	0.133	0.027	0.006	0	0	0.019	---	---	26
27	---	---	0 B	0.258	0.114	0.023	0.005	0	0	0.019	---	---	27
28	---	---	0 B	0.230	0.098	0.022	0.005	0	0.004	0.020	---	---	28
29	---		0.736B	0.205	0.085	0.022	0.004	0	0.003	0.039	---	---	29
30	---		2.54 B	0.191	0.072	0.020	0.002	0	0.002	0.019	---	---	30
31	---		2.15 B		0.066		0.002	0		0.017		---	31
TOTAL	---	---	5.432	31.149	5.230	1.935	0.442	0.022	0.009	0.440	---	---	TOTAL
MEAN	---	---	0.175	1.04	0.169	0.065	0.014	0.001	0	0.014	---	---	MEAN
MAX	---	---	2.54	4.25	0.341	0.178	0.037	0.004	0.004	0.039	---	---	MAX
MIN	---	---	0	0.191	0.066	0.020	0.002	0	0	0.003	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.182
MAXIMUM DAILY, 4.25B ON APR 12
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.83B AT 20:31 CST ON APR 12

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 10 N
LONG 98 19 40 W
DRAINAGE AREA, 212 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	38.2
FEB	---	AUG	1.90
MAR	469	SEP	0.78
APR	2 690	OCT	38.0
MAY	452	NOV	---
JUN	167	DEC	---

TOTAL DISCHARGE, 3 860 dam³

ROUND LAKE AT OUTLET - STATION NO. 05RD011

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.401	1.265	1.016	---	---	---	---	2.201	1.664	1.352	1.151	0.923	1
2	1.405	1.258	0.998	---	---	---	---	2.185	1.656	1.354	1.139	0.924	2
3	1.439	1.251	0.998	---	---	---	---	2.176	1.647	1.348	1.126	0.926	3
4	1.404	1.232	1.006	---	---	---	---	2.159	1.629	1.341	1.112	0.925	4
5	1.404	1.225	0.989	---	---	---	---	2.155	1.617	1.345	1.100	0.925	5
6	1.403	1.232	0.987	---	---	---	---	2.137	1.601	1.343	1.092	0.925	6
7	1.382	1.230	0.969	---	---	---	---	2.109	1.589	1.344	1.086	0.925	7
8	1.379	1.223	0.966	---	---	---	---	2.088	1.578	1.341	1.079	0.926	8
9	1.371	1.214	0.967	---	---	---	---	2.058	1.565	1.333	1.069	0.925	9
10	1.373	1.210	0.952	---	---	---	---	2.030	1.549	1.326	1.059	0.926	10
11	1.372	1.199	0.939	---	---	---	---	2.012	1.539	1.325	1.047	0.926	11
12	1.376	1.175	0.950	---	---	---	---	1.993	1.525	1.327	1.031	0.928	12
13	1.394	1.177	0.951	---	---	---	---	1.977	1.511	1.316	1.020	0.929	13
14	1.399	1.178	0.935	---	---	---	---	1.954	1.497	1.306	1.015	0.929	14
15	1.370	1.170	0.941	---	---	---	---	1.935	1.486	1.290	0.999	0.927	15
16	1.358	1.149	0.946	---	---	---	---	1.906	1.475	1.278	0.990	0.927	16
17	1.356	1.162	0.949	---	---	---	---	1.878	1.467	1.274	0.982	0.928	17
18	1.343	1.155	0.937	---	---	---	---	1.895	1.452	1.274	0.972	0.929	18
19	1.332	1.146	0.925	---	---	---	---	1.891	1.443	1.274	0.964	0.929	19
20	1.324	1.127	0.919	---	---	---	---	1.853	1.433	1.269	0.962	0.930	20
21	1.313	1.110	0.916	---	---	---	---	1.831	1.424	1.259	0.962	0.929	21
22	1.310	1.094	0.908	---	---	---	---	1.812	1.414	1.248	0.952	0.930	22
23	1.309	1.070	0.908	---	---	---	---	1.792	1.404	1.236	0.941	0.931	23
24	1.306	1.058	---	---	---	---	---	1.774	1.395	1.225	0.931	0.931	24
25	1.306	1.037	---	---	---	---	---	1.755	1.381	1.213	0.922	0.932	25
26	1.301	1.036	---	---	---	---	---	1.728	1.371	1.201	0.911	0.933	26
27	1.305	1.024	---	---	---	---	---	1.715	1.360	1.188	0.904	0.933	27
28	1.282	1.026	---	---	---	---	---	1.709	1.352	1.178	0.912	0.933	28
29	1.273		---	---	---	---	2.246	1.699	1.352	1.178	0.921	0.935	29
30	1.274		---	---	---	---	2.243	1.683	1.352	1.176	0.922	0.932	30
31	1.267		---		---		2.222	1.666		1.162		0.924	31
MEAN	1.349	1.158	---	---	---	---	---	1.928	1.491	1.278	1.009	0.928	MEAN
MAX	1.439	1.265	---	---	---	---	---	2.201	1.664	1.354	1.151	0.935	MAX
MIN	1.267	1.024	---	---	---	---	---	1.666	1.352	1.162	0.904	0.923	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 40 N
LONG 96 23 20 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SASKATCHEWAN RIVER AT GRAND RAPIDS - STATION NO. 05KL001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 270	711	589	1 030	229	309	142	109	530	841	149	134	1
2	1 190	926	855	1 020	169	207	161	161	617	326	192	174	2
3	1 300	1 030	770	852	394	379	150	513	394	157	229	804	3
4	1 300	991	793	816	371	200	149	504	247	753	334	233	4
5	1 280	971	827	850	385	78.4	326	479	199	699	357	198	5
6	1 270	835	1 170	957	535	114	337	592	145	793	216	881	6
7	1 290	753	1 170	767	202	348	280	207	694	824	165	816	7
8	1 290	903	1 210	688	212	185	248	175	733	663	399	1 120	8
9	1 230	1 050	1 180	597	137	162	234	164	852	467	246	940	9
10	1 270	1 090	852	665	247	199	165	183	929	328	253	818	10
11	1 200	994	790	660	136	223	182	200	620	357	243	586	11
12	1 220	668	770	765	157	166	257	169	612	782	569	300	12
13	1 220	388	566	682	146	130	165	187	793	530	251	612	13
14	1 230	345	614	589	198	180	436	128	680	515	191	697	14
15	1 250	541	578	623	303	176	184	142	518	595	623	447	15
16	1 280	314	663	663	253	193	382	351	527	111	490	422	16
17	1 200	323	532	328	515	267	176	614	266	126	629	394	17
18	1 260	555	371	265	490	275	132	583	109	235	425	237	18
19	1 280	300	447	289	538	138	173	453	144	289	360	289	19
20	1 210	266	245	343	351	247	270	216	515	558	124	467	20
21	1 270	230	236	306	354	169	314	168	453	343	138	595	21
22	1 210	830	682	265	98.0	408	259	155	317	123	702	481	22
23	1 240	663	510	272	113	156	270	159	326	72.5	578	374	23
24	1 200	767	631	195	214	170	135	141	239	56.4	750	112	24
25	1 220	830	895	242	368	155	102	202	201	343	629	125	25
26	1 230	716	782	629	261	168	152	264	328	121	923	97.4	26
27	1 220	558	292	428	490	167	343	153	671	337	875	140	27
28	1 160	660	445	388	377	328	163	135	762	127	852	303	28
29	951		394	394	167	260	207	132	878	251	886	464	29
30	462		867	360	193	185	132	232	651	140	348	311	30
31	354		949		334		106	345		118		484	31
TOTAL	36 557	19 208	22 275	16 928	8 937.0	6 342.4	6 732	8 216	14 950	11 980.9	13 126	14 055.4	TOTAL
MEAN	1 180	686	719	564	288	211	217	265	498	386	438	453	MEAN
MAX	1 300	1 090	1 210	1 030	538	408	436	614	929	841	923	1 120	MAX
MIN	354	230	236	195	98.0	78.4	102	109	109	56.4	124	97.4	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 491
MAXIMUM DAILY, 1 300 ON JAN 3
MINIMUM DAILY, 56.4 ON OCT 24

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 53 09 50 N
LONG 99 20 56 W
DRAINAGE AREA, 363 000 km²

REGULATED SINCE 1964

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 160 000	JUL	582 000
FEB	1 660 000	AUG	710 000
MAR	1 920 000	SEP	1 290 000
APR	1 460 000	OCT	1 040 000
MAY	772 000	NOV	1 130 000
JUN	548 000	DEC	1 210 000

TOTAL DISCHARGE, 15 500 000 dam³

DATA CONTRIBUTED BY -
MANITOBA HYDRO

SASKATCHEWAN RIVER AT THE PAS - STATION NO. 05KJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	265B	455B	484B	483B	1 320	597	513	779	396	394	456	234B	1
2	294B	459B	470B	485B	1 180	586	518	776	399	345	447	236B	2
3	319B	458B	464B	484B	1 180	614	535	750	413	354	413	247B	3
4	321B	462B	465B	475B	1 190	640	501	682	428	416	388	254B	4
5	312B	470B	471B	465B	1 160	665	419	648	445	422	399	249B	5
6	308B	478B	474B	456B	1 100	682	428	671	439	382	377B	234B	6
7	312B	483B	473B	449B	1 130	665	462	694	382	385	379B	220B	7
8	318B	478B	466B	443B	1 130	651	479	674	354	402	379B	213B	8
9	322B	465B	459B	428B	1 070	640	541	660	365	411	379B	217B	9
10	323B	459B	457B	404B	1 030	648	600	572	411	402	385B	222B	10
11	327B	468B	447B	382B	968	660	629	555	408	405	388B	228B	11
12	336B	475B	435B	361B	929	660	657	572	388	379	388B	234B	12
13	365B	478B	422B	348B	881	648	702	589	371	371	391B	243B	13
14	392B	487B	409B	342B	872	665	728	609	371	362	388B	246B	14
15	396B	496B	401B	343B	881	663	776	612	351	362	388B	241B	15
16	386B	498B	387B	347B	883	629	801	572	320	382	379B	242B	16
17	377B	497B	376B	358B	858	660	810	527	343	442	354B	248B	17
18	382B	493B	374B	380B	810	651	855	496	362	487	328B	241B	18
19	389B	480B	380B	416B	776	617	853	490	379	487	306B	321B	19
20	396B	474B	395B	464B	765	600	824	487	385	439	282B	334B	20
21	410B	483B	406B	501B	748	575	824	476	348	422	261B	327B	21
22	424B	486B	405B	544B	719	586	827	462	320	467	234B	319B	22
23	432B	480B	394B	606B	705	623	810	442	331	515	215B	315B	23
24	439B	488B	386B	674B	677	646	784	396	368	504	204B	309B	24
25	444B	504B	397B	793B	634	586	784	408	377	456	204B	305B	25
26	450B	510B	416B	926B	606	549	807	396	360	413	206B	302B	26
27	458B	500B	434B	1 060B	606	549	813	379	396	396	214B	299B	27
28	460B	491B	450B	1 280B	663	547	804	399	405	379	222B	295B	28
29	455B		466B	1 470B	668	530	796	385	453	388	230B	291B	29
30	453B		479B	1 460	685	510	765	354	445	394	235B	293B	30
31	449B		484B		637		731	388		416		294B	31
TOTAL	11 714	13 455	13 426	17 627	27 461	18 542	21 356	16 900	11 513	12 779	9 819	8 293	TOTAL
MEAN	378	481	433	588	886	618	689	545	384	412	327	268	MEAN
MAX	460	510	484	1 470	1 320	682	855	779	453	515	456	334	MAX
MIN	265	455	374	342	606	510	419	354	320	345	204	213	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 501
MAXIMUM DAILY, 1 470B ON APR 29
MINIMUM DAILY, 204B ON NOV 24
MAXIMUM INSTANTANEOUS,
1 510B AT 10:17 CST ON APR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 50 30 N
LONG 101 11 10 W
DRAINAGE AREA, 347 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 010 000	JUL	1 850 000
FEB	1 160 000	AUG	1 460 000
MAR	1 160 000	SEP	995 000
APR	1 520 000	OCT	1 100 000
MAY	2 370 000	NOV	848 000
JUN	1 600 000	DEC	717 000

TOTAL DISCHARGE, 15 800 000 dam³

SCHIST LAKE NEAR CHANNING - STATION NO. 05KG004

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	291.989	292.074	291.999	291.910	291.886	291.788	---	---	1
2	---	---	---	---	292.001	292.069	291.994	291.909	291.884	291.780	---	---	2
3	---	---	---	---	292.010	292.068	291.989	291.918	291.887	291.777	---	---	3
4	---	---	---	---	292.023	292.068	291.990	291.918	291.879	291.777	---	---	4
5	---	---	---	---	292.039	292.064	291.984	291.917	291.878	291.780	---	---	5
6	---	---	---	---	292.052	292.054	291.988	291.919	291.879	291.780	---	---	6
7	---	---	---	---	292.061	292.038	291.985	291.919	291.879	291.778	---	---	7
8	---	---	---	---	292.069	292.044	291.983	291.918	291.873	291.776	---	---	8
9	---	---	---	---	292.075	292.035	291.983	291.919	291.869	291.772	---	---	9
10	---	---	---	---	292.080	292.032	291.982	291.922	291.871	291.769	---	---	10
11	---	---	---	---	292.085	292.030	291.979	291.924	291.866	291.771	---	---	11
12	---	---	---	---	292.090	292.025	291.972	291.924	291.857	291.769	---	---	12
13	---	---	---	---	292.091	292.023	291.970	291.929	291.849	291.770	---	---	13
14	---	---	---	---	292.087	292.018	291.972	291.925	291.847	291.765	---	---	14
15	---	---	---	---	292.093	292.016	291.968	291.943	291.842	291.759	---	---	15
16	---	---	---	---	292.096	292.008	291.964	291.944	291.833	291.762	---	---	16
17	---	---	291.825A	---	292.098	292.005	291.951	291.944	291.834	291.772	---	---	17
18	---	---	---	---	292.100	292.002	291.954	291.938	291.816	291.776	---	---	18
19	---	---	---	---	292.103	291.999	291.952	291.932	291.817	291.774	---	---	19
20	---	---	---	---	292.104	291.997	291.945	291.928	291.816	291.774	---	---	20
21	---	---	---	---	292.105	291.999	291.939	291.926	291.814	291.770	---	---	21
22	---	---	---	---	292.107	291.998	291.940	291.920	291.806	291.771	---	---	22
23	---	---	---	---	292.106	292.005	291.936	291.915	291.802	291.772	---	---	23
24	---	---	---	291.870	292.100	292.017	291.928	291.909	291.803	291.770	---	---	24
25	---	---	---	291.890	292.094	292.019	291.926	291.901	291.798	291.771	---	---	25
26	---	---	---	291.905	292.089	292.011	291.926	291.890	291.789	291.770	---	---	26
27	---	---	---	291.924	292.084	292.009	291.924	291.885	291.787	291.770	---	---	27
28	---	---	---	291.941	292.079	292.007	291.921	291.886	291.780	291.764	---	---	28
29	---		---	291.957	292.079	292.004	291.922	291.882	291.783	291.764A	---	---	29
30	---		---	291.975	292.078	292.002	291.916	291.880	291.785	291.762E	---	---	30
31	---		---		292.075		291.909	291.885		291.762E		---	31
MEAN	---	---	---	---	292.076	292.025	291.958	291.915	291.837	291.771	---	---	MEAN
MAX	---	---	---	---	292.107	292.074	291.999	291.944	291.887	291.788	---	---	MAX
MIN	---	---	---	---	291.989	291.997	291.909	291.880	291.780	291.759	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 292.107 ON MAY 22

MAXIMUM INSTANTANEOUS,
292.112 AT 19:13 CST ON MAY 22

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 45 20 N
LONG 101 49 30 W

A - MANUAL GAUGE

E - ESTIMATED

SCISSOR CREEK NEAR MCAULEY - STATION NO. 05ME009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.008B	0	0	---	---	---	---	---	---	1
2	---	---	0 B	0.022B	0	0	---	---	---	---	---	---	2
3	---	---	0 B	0.046B	0	0	---	---	---	---	---	---	3
4	---	---	0 B	0.088B	0	0	---	---	---	---	---	---	4
5	---	---	0 B	0.151B	0	0	---	---	---	---	---	---	5
6	---	---	0 B	0.225B	0	0	---	---	---	---	---	---	6
7	---	---	0 B	0.316B	0	0	---	---	---	---	---	---	7
8	---	---	0 B	0.425B	0	0	---	---	---	---	---	---	8
9	---	---	0 B	0.560B	0	0	---	---	---	---	---	---	9
10	---	---	0 B	0.730B	0	0	---	---	---	---	---	---	10
11	---	---	0 B	0.940B	0	0	---	---	---	---	---	---	11
12	---	---	0 B	1.88 B	0	0	---	---	---	---	---	---	12
13	---	---	0 B	3.63 B	0	0	---	---	---	---	---	---	13
14	---	---	0 B	5.10	0	0	---	---	---	---	---	---	14
15	---	---	0 B	3.40	0	0	---	---	---	---	---	---	15
16	---	---	0 B	2.08	0	0	---	---	---	---	---	---	16
17	---	---	0 B	1.07	0	0	---	---	---	---	---	---	17
18	---	---	0 B	0.517	0	0	---	---	---	---	---	---	18
19	---	---	0 B	0.367	0	0	---	---	---	---	---	---	19
20	---	---	0 B	0.175	0	0	---	---	---	---	---	---	20
21	---	---	0 B	0.066	0	0	---	---	---	---	---	---	21
22	---	---	0 B	0.030	0	0	---	---	---	---	---	---	22
23	---	---	0 B	0.025	0	0	---	---	---	---	---	---	23
24	---	---	0 B	0.029	0	0	---	---	---	---	---	---	24
25	---	---	0 B	0.014	0	0	---	---	---	---	---	---	25
26	---	---	0.001B	0.007	0	0	---	---	---	---	---	---	26
27	---	---	0.001B	0.005	0	0	---	---	---	---	---	---	27
28	---	---	0.002B	0.003	0	0	---	---	---	---	---	---	28
29	---		0.002B	0.002	0	0	---	---	---	---	---	---	29
30	---		0.003B	0	0	0	---	---	---	---	---	---	30
31	---		0.003B		0		---	---		---		---	31
TOTAL	---	---	0.012	21.911	0	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0	0.730	0	0	---	---	---	---	---	---	MEAN
MAX	---	---	0.003	5.10	0	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.180
MAXIMUM DAILY, 5.10 ON APR 14
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.95 AT 00:06 CST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 16 16 N
LONG 101 23 04 W
DRAINAGE AREA, 162 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	1.04	SEP	---
APR	1 890	OCT	---
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 890 dam³

SEAL RIVER BELOW GREAT ISLAND - STATION NO. 06GD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	129B	103 B	88.4B	76.6B	81.8B	498	702	462	285	391	299	193B	1
2	127B	103 B	87.8B	76.6B	95.3B	487	690	450	285	404	287	192B	2
3	126B	102 B	87.2B	76.4B	103 B	494	681	434	279	404	246	191B	3
4	124B	102 B	86.6B	76.1B	115 B	498	687	417	292	409	251	190B	4
5	123B	102 B	86.0B	75.8B	132 B	498	685	407	294	411	245B	189B	5
6	122B	101 B	85.6B	75.6B	163 B	504	679	411	301	413	240B	187B	6
7	121B	100 B	85.1B	75.6B	184 B	512E	677	411	306	411	235B	187B	7
8	120B	99.6B	84.8B	75.6B	201 B	527E	693	408	310	411	231B	186B	8
9	119B	99.2B	84.4B	75.2B	211 B	545E	691	403	316	420	228B	184B	9
10	119B	98.6B	84.2B	75.2B	227 B	565E	686	399	308	426	225B	183B	10
11	118B	98.0B	83.6B	75.2B	245 B	591E	674	392	318	421	223B	182B	11
12	117B	97.4B	83.0B	75.4B	275 B	610E	667	384	337	424	220B	181B	12
13	116B	96.8B	82.6B	75.4B	393 B	631E	659	383	351	426	219B	180B	13
14	116B	96.5B	82.4B	75.4B	534 B	647E	655	379	347	424	215B	178B	14
15	115B	96.0B	81.8B	75.0B	585 B	659E	643	373	344	414	214B	177B	15
16	114B	95.6B	81.4B	74.9B	606 B	667	639	361	342	414	214B	176B	16
17	113B	95.0B	81.2B	74.9B	612 B	676	630	360	335	397	212B	175B	17
18	113B	94.4B	80.6B	74.8B	612 B	677	615	351	338	355	210B	175B	18
19	112B	94.0B	80.2B	74.7B	612 B	686	603	340	341	359	209B	174B	19
20	111B	93.6B	80.0B	74.6B	609 B	689	591	337	346	366	208B	172B	20
21	111B	93.2B	80.0B	74.4B	609 B	702	592	333	350	381	206B	171B	21
22	110B	92.6B	79.7B	74.3B	604 B	717	573	328	351	377	204B	170B	22
23	109B	92.0B	79.6B	74.2B	601 B	730	547	320	351	393	203B	169B	23
24	108B	91.5B	78.8B	74.2B	585 B	742	541	313	351	368	202B	168B	24
25	108B	90.8B	78.4B	74.3B	568 B	751	531	309	362	364	201B	167B	25
26	108B	90.2B	78.2B	74.2B	570	759	525	307	373	358	200B	167B	26
27	107B	89.8B	77.8B	74.1B	534	747	519	307	375	348	199B	166B	27
28	106B	89.6B	77.6B	74.3B	510	749	510	304	387	344	197B	165B	28
29	105B		77.4B	74.6B	497	739	500	302	389	345	196B	164B	29
30	105B		77.1B	75.6B	512	707	493	304	384	319	195B	163B	30
31	104B		77.1B		509		475	298		284		162B	31
TOTAL	3 556	2 697.4	2 538.6	2 253.2	12 695.1	19 004	19 053	11 287	10 048	11 981	6 634	5 484	TOTAL
MEAN	115	96.3	81.9	75.1	410	633	615	364	335	386	221	177	MEAN
MAX	129	103	88.4	76.6	612	759	702	462	389	426	299	193	MAX
MIN	104	89.6	77.1	74.1	81.8	487	475	298	279	284	195	162	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 294
MAXIMUM DAILY, 759 ON JUN 26
MINIMUM DAILY, 74.1B ON APR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 53 30 N
LONG 96 16 31 W
DRAINAGE AREA, 48 200 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	307 000	JUL	1 650 000
FEB	233 000	AUG	975 000
MAR	219 000	SEP	868 000
APR	195 000	OCT	1 040 000
MAY	1 100 000	NOV	573 000
JUN	1 640 000	DEC	474 000

TOTAL DISCHARGE, 9 270 000 dam³

SEINE RIVER DIVERSION NEAR ILE DES CHENES - STATION NO. 05OE011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	12.5 B	0.507	0.198	0.228	3.18	0.203	0.182	---	---	1
2	---	---	0 B	14.4 B	0.409	0.184	0.587	2.82	0.202	0.209	---	---	2
3	---	---	0 B	8.41 B	0.363	0.166	9.74	2.38	0.195	0.207	---	---	3
4	---	---	0 B	8.79 B	0.327	0.270	7.51	1.37	0.182	0.194	---	---	4
5	---	---	0 B	5.62 B	0.292	0.368	4.64	0.552	0.173	0.181	---	---	5
6	---	---	0 B	3.17 B	0.253	0.374	3.79	0.408	0.239	0.191	---	---	6
7	---	---	0 B	2.18 B	0.236	1.25	3.29	0.340	0.270	0.250	---	---	7
8	---	---	0 B	1.90 B	0.234	7.59	4.13	0.302	0.241	0.272	---	---	8
9	---	---	0 B	2.70 B	0.231	11.2	3.38	0.289	0.215	0.304	---	---	9
10	---	---	0 B	3.59 B	0.318	17.6	3.54	0.276	0.199	0.407	---	---	10
11	---	---	0 B	5.21 B	0.332	15.0	3.45	0.275	0.194	0.574	---	---	11
12	---	---	0 B	14.3 B	0.341	11.6	2.83	0.267	0.182	0.650	---	---	12
13	---	---	0 B	29.8 B	0.350	8.85	2.27	0.267	0.171	0.849	---	---	13
14	---	---	0 B	29.3 B	0.343	6.84	1.84	0.257	0.157	1.85	---	---	14
15	---	---	0 B	28.5	0.329	5.55	1.48	0.241	0.143	1.85	---	---	15
16	---	---	0.024B	28.3	0.336	4.74	1.32	0.234	0.145	1.52	---	---	16
17	---	---	0.037B	22.1	0.463	3.95	1.18	0.222	0.130	1.26	---	---	17
18	---	---	0.025B	17.5	0.500	3.06	1.44	0.241	0.169	0.975	---	---	18
19	---	---	0.027B	14.2	0.615	2.55	2.17	0.249	0.177	0.853	---	---	19
20	---	---	0.022B	11.3	1.25	2.02	2.69	0.241	0.179	0.851	---	---	20
21	---	---	0.027B	9.28	1.21	1.60	2.21	0.231	0.177	0.782	---	---	21
22	---	---	0.029B	7.90	0.960	1.42	1.76	0.263	0.179	0.662	---	---	22
23	---	---	0.028B	7.01	0.792	1.19	1.52	0.285	0.180	0.582	---	---	23
24	---	---	0.032B	6.16	0.559	0.877	1.27	0.272	0.182	0.546	---	---	24
25	---	---	0.163B	5.53	0.416	0.701	1.04	0.273	0.180	0.462	---	---	25
26	---	---	0.284B	4.85	0.365	0.481	4.27	0.258	0.173	0.471	---	---	26
27	---	---	0.178B	2.11	0.327	0.361	5.84	0.244	0.165	0.488	---	---	27
28	---	---	0.325B	1.09	0.295	0.307	4.63	0.243	0.181	0.508	---	---	28
29	---		0.546B	0.672	0.259	0.266	3.58	0.233	0.184	0.437	---	---	29
30	---		7.73 B	0.631	0.238	0.245	2.94	0.221	0.173	0.386	---	---	30
31	---		12.0 B		0.215		2.88	0.213		0.370		---	31
TOTAL	---	---	21.477	301.003	13.665	110.808	93.445	17.147	5.540	19.323	---	---	TOTAL
MEAN	---	---	0.693	10.0	0.441	3.69	3.01	0.553	0.185	0.623	---	---	MEAN
MAX	---	---	12.0	29.8	1.25	17.6	9.74	3.18	0.270	1.85	---	---	MAX
MIN	---	---	0	0.631	0.215	0.166	0.228	0.213	0.130	0.181	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.38
MAXIMUM DAILY, 29.8B ON APR 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
33.8 AT 22:31 CST ON APR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 40 N
LONG 96 59 19 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 070
FEB	---	AUG	1 480
MAR	1 860	SEP	479
APR	26 000	OCT	1 670
MAY	1 180	NOV	---
JUN	9 570	DEC	---

TOTAL DISCHARGE, 50 300 dam³

SEINE RIVER DIVERSION NEAR STE. ANNE - STATION NO. 05ON008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.83 B	0.123	0	0	2.49	0	0	---	---	1
2	---	---	0 B	2.78 B	0.054	0	0.001	1.92	0	0	---	---	2
3	---	---	0 B	2.70 B	0.018	0	0.016	0.719	0	0	---	---	3
4	---	---	0 B	2.41 B	0.013	0	0.011	0.013	0	0	---	---	4
5	---	---	0 B	1.38 B	0.011	0	0.104	0.008	0	0	---	---	5
6	---	---	0 B	1.03 B	0.021	0	0.589	0.006	0	0	---	---	6
7	---	---	0 B	0.734B	0.009	1.09	2.11	0.002	0	0	---	---	7
8	---	---	0 B	0.796B	0.006	4.49	2.12	0	0	0	---	---	8
9	---	---	0 B	0.883B	0.003	8.24	2.27	0	0	0	---	---	9
10	---	---	0 B	0.903B	0.003	8.93	3.17	0	0	0	---	---	10
11	---	---	0 B	0.893B	0.004	9.39	2.60	0	0	0	---	---	11
12	---	---	0 B	2.40 B	0.019	8.02	1.78	0	0	0.313	---	---	12
13	---	---	0 B	4.43 B	0.118	5.92	1.32	0	0	0.670	---	---	13
14	---	---	0 B	8.26 B	0.110	4.63	1.02	0	0	0.769	---	---	14
15	---	---	0 B	11.7 B	0.107	3.94	0.957	0	0	0.634	---	---	15
16	---	---	0 B	16.7 B	0.075	3.41	0.856	0	0	0.559	---	---	16
17	---	---	0 B	15.8	0.146	2.53	0.946	0	0	0.479	---	---	17
18	---	---	0 B	14.4	0.340	1.89	1.53	0	0	0.459	---	---	18
19	---	---	0 B	11.9	0.635	1.36	2.51	0	0	0.457	---	---	19
20	---	---	0 B	9.41	0.633	1.04	1.77	0	0	0.350	---	---	20
21	---	---	0 B	7.27	0.535	0.920	1.28	0	0	0.227	---	---	21
22	---	---	0 B	5.89	0.403	0.761	0.942	0	0	0.145	---	---	22
23	---	---	0 B	5.12	0.158	0.544	0.780	0	0	0.078	---	---	23
24	---	---	0 B	4.63	0.046	0.250	0.669	0	0	0.026	---	---	24
25	---	---	0 B	4.22	0.012	0.012	3.03	0	0	0.018	---	---	25
26	---	---	0 B	2.73	0.006	0.007	5.92	0	0	0.013	---	---	26
27	---	---	0 B	0.775	0.002	0.003	4.47	0	0	0.008	---	---	27
28	---	---	0.010B	0.402	0	0.001	2.88	0	0	0.006	---	---	28
29	---		0.020	0.400	0	0	2.27	0	0	0.004	---	---	29
30	---		0.062B	0.253	0	0	2.14	0	0	0.001	---	---	30
31	---		2.84 B		0		2.94	0		0.001		---	31
TOTAL	---	---	2.932	144.069	3.610	67.378	53.001	5.158	0	5.217	---	---	TOTAL
MEAN	---	---	0.095	4.80	0.116	2.25	1.71	0.166	0	0.168	---	---	MEAN
MAX	---	---	2.84	16.7	0.635	9.39	5.92	2.49	0	0.769	---	---	MAX
MIN	---	---	0	0.253	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.15
MAXIMUM DAILY, 16.7B ON APR 16
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
19.2 AT 23:38 CST ON APR 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 10 N
LONG 96 39 10 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 580
FEB	---	AUG	446
MAR	253	SEP	0
APR	12 400	OCT	451
MAY	312	NOV	---
JUN	5 820	DEC	---

TOTAL DISCHARGE, 24 300 dam³

SEINE RIVER NEAR PRAIRIE GROVE - STATION NO. 05ON006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.236B	0.103B	0.059B	2.03 B	2.34	1.06	0.963	0.481	0.240	0.255	1.68	0.474B	1
2	0.265B	0.092B	0.059B	2.45 B	2.47	0.882	0.861	0.480	0.201	0.418	1.59	0.667B	2
3	0.234B	0.059B	0.054B	2.50 B	2.55	0.809	1.16	0.506	0.161	0.291	1.48	0.889B	3
4	0.202B	0.030B	0.054B	2.51 B	2.57	0.666	3.05	0.649	0.119	0.248	1.41 B	1.17 B	4
5	0.167B	0.016B	0.049B	1.40 B	2.55	0.535	2.97	2.38	0.097	0.223	1.13 B	1.38 B	5
6	0.140B	0.011B	0.047B	0.504B	2.48	0.548	3.12	2.44	0.091	0.230	2.00 B	1.37 B	6
7	0.118B	0.010B	0.042B	0.118B	2.47	0.863	3.39	2.19	0.077	0.430	2.39 B	1.24 B	7
8	0.101B	0.010B	0.040B	0.028B	2.35	1.57	3.30	1.93	0.058	0.665	2.23 B	1.12 B	8
9	0.083B	0.010B	0.040B	0.014B	2.20	2.32	3.23	1.76	0.061	0.787	1.35 B	1.00 B	9
10	0.068B	0.009B	0.040B	0.042B	2.09	3.01	2.81 A	1.76	0.076	1.13	1.62 B	0.868B	10
11	0.049B	0.008B	0.030B	0.395B	2.05	3.47	1.37 E	1.59	0.076	1.69	1.55 B	0.744B	11
12	0.037B	0.011B	0.022B	2.56 B	2.08	3.29	0.821E	1.40	0.071	2.14	0.949B	0.621B	12
13	0.035B	0.028B	0.018B	4.32 B	2.27	3.10	0.609E	1.25	0.078	2.37	0.987B	0.500B	13
14	0.032B	0.044B	0.012B	7.58 B	2.44	2.90	0.559A	1.10	0.087	2.53	1.23 B	0.342B	14
15	0.025B	0.046B	0.031B	9.83 B	2.52	2.68	0.572	0.938	0.093	2.50	0.891B	0.397B	15
16	0.021B	0.049B	0.164B	8.41 B	2.53	2.43	0.554	0.829	0.084	2.42	0.917B	0.469B	16
17	0.021B	0.040B	0.087B	6.54 B	2.54	2.24	0.566	0.727	0.077	2.38	0.715B	0.430B	17
18	0.020B	0.035B	0.070B	3.85 B	2.57	2.07	0.545	0.633	0.077	2.34	0.597B	0.394B	18
19	0.020B	0.032B	0.048B	2.15 B	2.57	1.94	0.530	0.579	0.099	2.30	0.521B	0.357B	19
20	0.020B	0.026B	0.057B	1.42 B	2.59	1.86	0.525	0.730	0.116	2.28	0.508B	0.324B	20
21	0.022B	0.019B	0.061B	1.08	2.61	1.78	0.530	0.647	0.225	2.25	0.488B	0.291B	21
22	0.028B	0.014B	0.058B	0.705	2.58	1.71	0.493	0.641	0.219	2.22	0.520B	0.262B	22
23	0.039B	0.033B	0.062B	0.483	2.54	1.67	0.486	0.760	0.236	2.19	0.603B	0.237B	23
24	0.051B	0.050B	0.061B	0.376	2.48	1.63	0.553	0.628	0.299	2.16	0.631B	0.209B	24
25	0.066B	0.038B	0.073B	0.275	2.43	1.74	0.524	0.575	0.189	2.14	0.610B	0.183B	25
26	0.089B	0.038B	0.082B	0.172	2.29	2.14	0.464	0.565	0.096	2.11	0.586B	0.158B	26
27	0.113B	0.050B	0.087B	0.098	2.05	1.75	0.468	0.499	0.083	2.05	0.568B	0.135B	27
28	0.128B	0.057B	0.125B	0.856	1.79	1.51	0.506	0.415	0.108	1.99	0.543B	0.115B	28
29	0.129B		0.211B	1.75	1.62	1.33	0.558	0.393	0.095	1.92	0.521B	0.097B	29
30	0.121B		0.684B	2.10	1.46	1.14	0.531	0.355	0.112	1.83	0.491B	0.082B	30
31	0.111B		1.37 B		1.25		0.510	0.302		1.76		0.070B	31
TOTAL	2.791	0.968	3.897	66.546	71.33	58.643	37.128	30.136	3.701	50.247	31.306	16.595	TOTAL
MEAN	0.090	0.035	0.126	2.22	2.30	1.82	1.20	0.972	0.123	1.62	1.04	0.535	MEAN
MAX	0.265	0.103	1.37	9.83	2.61	3.47	3.39	2.44	0.299	2.53	2.39	1.38	MAX
MIN	0.020	0.008	0.012	0.014	1.25	0.535	0.464	0.302	0.058	0.223	0.488	0.070	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.01
MAXIMUM DAILY, 9.83B ON APR 15
MINIMUM DAILY, 0.008B ON FEB 11
MAXIMUM INSTANTANEOUS,
10.2B AT 06:50 CST ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 46 15 N
LONG 96 56 10 W
DRAINAGE AREA, 1 090 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1961

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	241	JUL	3 210
FEB	83.6	AUG	2 600
MAR	337	SEP	320
APR	5 750	OCT	4 340
MAY	6 160	NOV	2 700
JUN	4 720	DEC	1 430

TOTAL DISCHARGE, 31 900 dam³

SEINE RIVER NEAR STE. ANNE - STATION NO. 05OH007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.044B	2.25 B	2.44	1.07	0.625	2.77	0.301	0.451	---	---	1
2	---	---	0.044B	2.47 B	2.32	0.955	0.557	2.42	0.273	0.402	---	---	2
3	---	---	0.044B	2.64 B	2.25	0.820	1.48	2.14	0.261	0.408	---	---	3
4	---	---	0.044B	2.64 B	2.21	0.745	1.70	2.03	0.225	0.470	---	---	4
5	---	---	0.044B	1.97 B	2.18	0.672	2.18	1.80	0.182	0.526	---	---	5
6	---	---	0.044B	1.37 B	2.16	0.838	2.73	1.56	0.172	0.628	---	---	6
7	---	---	0.044B	1.04 B	2.05	2.99	4.37	1.40	0.207	0.740	---	---	7
8	---	---	0.044B	0.786B	1.95	5.61	4.30	1.45	0.195	1.29	---	---	8
9	---	---	0.047B	0.957B	1.85	8.08	3.61	1.29	0.190	1.57	---	---	9
10	---	---	0.050B	0.984B	1.85	8.88	3.11	1.18	0.220	1.59	---	---	10
11	---	---	0.053B	1.09 B	2.14	9.36	2.72	1.06	0.210	2.05	---	---	11
12	---	---	0.056B	2.54 B	2.40	8.43	2.23	0.912	0.162	2.79	---	---	12
13	---	---	0.059B	6.16 B	2.48	6.72	1.91	0.829	0.168	2.91	---	---	13
14	---	---	0.063B	10.3 B	2.43	5.31	1.66	0.754	0.143	2.72	---	---	14
15	---	---	0.066B	13.9 B	2.39	4.56	1.64	0.702	0.168	2.57	---	---	15
16	---	---	0.218B	19.6 B	2.36	4.03	1.51	0.625	0.140	2.44	---	---	16
17	---	---	0.158B	13.3	2.44	3.32	1.74	0.537	0.117	2.33	---	---	17
18	---	---	0.108B	12.4	2.79	2.87	2.29	0.622	0.157	2.33	---	---	18
19	---	---	0.080B	10.1	3.08	2.53	2.75	0.684	0.102	2.33	---	---	19
20	---	---	0.074B	8.27	3.05	2.31	2.29	0.698	0.146	2.21	---	---	20
21	---	---	0.071B	6.92	2.92	2.24	2.01	0.729	0.140	2.07	---	---	21
22	---	---	0.078B	5.91	2.74	2.15	1.69	0.623	0.129	1.94	---	---	22
23	---	---	0.083B	5.23	2.45	1.76	1.54	0.618	0.145	1.85	---	---	23
24	---	---	0.078B	4.61	2.23	1.56	1.44	0.629	0.143	1.81	---	---	24
25	---	---	0.074B	4.01	1.98	1.47	3.87	0.572	0.165	1.73	---	---	25
26	---	---	0.078B	3.49	1.82	1.30	5.86	0.522	0.165	1.68	---	---	26
27	---	---	0.083B	3.12	1.69	0.920	4.38	0.507	0.165	1.60	---	---	27
28	---	---	0.149B	2.88	1.61	0.822	3.05	0.449	0.221	1.56	---	---	28
29	---		0.542B	2.70	1.42	0.747	2.63	0.402	0.302	1.52	---	---	29
30	---		1.35 B	2.56	1.25	0.680	2.69	0.357	0.531	1.45	---	---	30
31	---		1.84 B		1.13		3.16	0.320		1.36		---	31
TOTAL	---	---	5.810	156.197	68.06	93.749	77.722	31.151	5.845	51.325	---	---	TOTAL
MEAN	---	---	0.187	5.21	2.20	3.12	2.51	1.00	0.195	1.66	---	---	MEAN
MAX	---	---	1.84	19.6	3.08	9.36	5.86	2.77	0.531	2.91	---	---	MAX
MIN	---	---	0.044	0.786	1.13	0.672	0.557	0.320	0.102	0.402	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.00
MAXIMUM DAILY, 19.6B ON APR 16
MINIMUM DAILY, 0.044B ON MAR 1
MAXIMUM INSTANTANEOUS,
22.6 AT 16:30 CST ON APR 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 10 N
LONG 96 37 00 W
DRAINAGE AREA, 704 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 720
FEB	---	AUG	2 690
MAR	502	SEP	505
APR	13 500	OCT	4 430
MAY	5 880	NOV	---
JUN	8 100	DEC	---

TOTAL DISCHARGE, 42 300 dam³

SHANNON CREEK NEAR NORDEN - STATION NO. 05OF021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.13 B	0.039	0	0	0	0	0	---	---	1
2	---	---	0 B	1.27 B	0.021	0	0	0	0	0	---	---	2
3	---	---	0 B	0.746B	0.001	0	0	0	0	0	---	---	3
4	---	---	0 B	0.474B	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.364B	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.322B	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.291B	0	0.111	0	0	0	0	---	---	7
8	---	---	0 B	0.270B	0	0.244	0	0	0	0	---	---	8
9	---	---	0 B	0.260B	0	0.209	0	0	0	0	---	---	9
10	---	---	0 B	0.249B	0	0.157	0	0	0	0	---	---	10
11	---	---	0 B	0.563B	0	0.161	0	0	0	0	---	---	11
12	---	---	0 B	1.22 B	0	0.154	0	0	0	0	---	---	12
13	---	---	0 B	1.51 B	0	0.155	0	0	0	0	---	---	13
14	---	---	0 B	1.11 B	0	0.128	0	0	0	0.089	---	---	14
15	---	---	0 B	0.839	0	0.099	0	0	0	0.130	---	---	15
16	---	---	0 B	0.748	0	0.084	0	0	0	0.164	---	---	16
17	---	---	0 B	0.484	0	0.079	0	0	0	0.161	---	---	17
18	---	---	0 B	0.290	0	0.068	0	0	0	0.146	---	---	18
19	---	---	0 B	0.203	0	0.061	0	0	0	0.123	---	---	19
20	---	---	0 B	0.129	0	0.049	0	0	0	0.107	---	---	20
21	---	---	0 B	0.085	0.008	0.031	0	0	0	0.090	---	---	21
22	---	---	0 B	0.039	0.017	0.013	0	0	0	0.086	---	---	22
23	---	---	0 B	0.048	0.010	0.005	0	0	0	0.076	---	---	23
24	---	---	0 B	0.058	0.003	0	0	0	0	0.068	---	---	24
25	---	---	0 B	0.036	0	0	0	0	0	0.053	---	---	25
26	---	---	0 B	0.104	0	0	0	0	0	0.041	---	---	26
27	---	---	0.050B	0.088	0	0	0	0	0	0.032	---	---	27
28	---	---	0.400B	0.077	0	0	0	0	0	0.030	---	---	28
29	---		0.839B	0.068	0	0	0	0	0	0.026	---	---	29
30	---		1.56 B	0.052	0	0	0	0	0	0.018	---	---	30
31	---		2.93 B		0		0	0		0.008		---	31
TOTAL	---	---	5.779	14.127	0.099	1.808	0	0	0	1.444	---	---	TOTAL
MEAN	---	---	0.186	0.471	0.003	0.060	0	0	0	0.047	---	---	MEAN
MAX	---	---	2.93	2.13	0.039	0.244	0	0	0	0.164	---	---	MAX
MIN	---	---	0	0.036	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.095
MAXIMUM DAILY, 2.93B ON MAR 31
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 16 10 N
LONG 97 58 40 W
DRAINAGE AREA, 308 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	499	SEP	0
APR	1 220	OCT	125
MAY	8.55	NOV	---
JUN	156	DEC	---

TOTAL DISCHARGE, 2 010 dam³

SHANNON CREEK NEAR NORRIS - STATION NO. 05OF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.65 B	0.028	0	0.002	0	0	0	---	---	1
2	---	---	0 B	2.60 B	0.006	0	0.001	0	0	0	---	---	2
3	---	---	0 B	2.52 B	0.003	0	0.001	0	0	0	---	---	3
4	---	---	0 B	2.44 B	0.001	0	0.001	0	0	0	---	---	4
5	---	---	0 B	2.32 B	0.001	0	0.001	0	0	0	---	---	5
6	---	---	0 B	2.28 B	0	0	0	0	0	0	---	---	6
7	---	---	0 B	2.21 B	0	0.295	0	0	0	0	---	---	7
8	---	---	0 B	2.14 B	0	0.180	0	0	0	0	---	---	8
9	---	---	0 B	2.11 B	0	0.099	0	0	0	0	---	---	9
10	---	---	0 B	2.08 B	0.003	0.055	0	0	0	0	---	---	10
11	---	---	0 B	4.83 B	0.010	0.034	0	0	0	0	---	---	11
12	---	---	0 B	8.96 B	0.014	0.017	0	0	0	0	---	---	12
13	---	---	0 B	11.3 B	0.020	0.016	0	0	0	0	---	---	13
14	---	---	0 B	10.5 B	0.018	0.015	0	0	0	0	---	---	14
15	---	---	0 B	6.50 B	0.014	0.013	0	0	0	0	---	---	15
16	---	---	0 B	4.04 B	0.008	0.012	0	0	0	0	---	---	16
17	---	---	0 B	2.96 B	0.010	0.011	0	0	0	0	---	---	17
18	---	---	0 B	2.79	0.006	0.011	0	0	0	0.003	---	---	18
19	---	---	0 B	1.81	0.004	0.010	0	0	0	0.003	---	---	19
20	---	---	0 B	1.01	0	0.009	0	0	0	0.002	---	---	20
21	---	---	0 B	0.729	0	0.008	0	0	0	0.002	---	---	21
22	---	---	0 B	0.578	0	0.008	0	0	0	0.002	---	---	22
23	---	---	0 B	0.486	0	0.007	0	0	0	0.002	---	---	23
24	---	---	0 B	0.347	0	0.006	0	0	0	0.001	---	---	24
25	---	---	0 B	0.200	0	0.005	0	0	0	0.001	---	---	25
26	---	---	0 B	0.158	0	0.005	0	0	0	0	---	---	26
27	---	---	0 B	0.145	0	0.004	0	0	0	0 A	---	---	27
28	---	---	0 B	0.109	0	0.003	0	0	0	0 E	---	---	28
29	---		0.877B	0.111	0	0.002	0	0	0	0 E	---	---	29
30	---		3.27 B	0.066	0	0.002	0	0	0	0 E	---	---	30
31	---		2.87 B		0		0	0		0 E		---	31
TOTAL	---	---	7.017	80.979	0.146	0.827	0.006	0	0	0.016	---	---	TOTAL
MEAN	---	---	0.226	2.70	0.005	0.028	0	0	0	0.001	---	---	MEAN
MAX	---	---	3.27	11.3	0.028	0.295	0.002	0	0	0.003	---	---	MAX
MIN	---	---	0	0.066	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.363
MAXIMUM DAILY, 11.3B ON APR 13
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 17 N
LONG 97 25 18 W
DRAINAGE AREA, 653 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.52
FEB	---	AUG	0
MAR	606	SEP	0
APR	7 000	OCT	1.38
MAY	12.6	NOV	---
JUN	71.5	DEC	---

TOTAL DISCHARGE, 7 690 dam³

SHANNON CREEK TRIBUTARY NEAR MYRTLE - STATION NO. 05OF015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.87 B	0.010	0	0	0	0	0	---	---	1
2	---	---	0 B	1.59 B	0.005	0	0	0	0	0	---	---	2
3	---	---	0 B	1.37 B	0.001	0	0	0	0	0	---	---	3
4	---	---	0 B	1.18 B	0	0	0	0	0	0	---	---	4
5	---	---	0 B	1.08 B	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.944B	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.804B	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.674B	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.693B	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.704B	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.713B	0.001	0	0	0	0	0	---	---	11
12	---	---	0 B	1.59 B	0.001	0	0	0	0	0	---	---	12
13	---	---	0 B	2.35 B	0	0	0	0	0	0	---	---	13
14	---	---	0 B	1.29 B	0	0	0	0	0	0	---	---	14
15	---	---	0 B	1.03 B	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.800	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.493	0.001	0	0	0	0	0	---	---	17
18	---	---	0 B	0.352	0.001	0	0	0	0	0	---	---	18
19	---	---	0 B	0.267	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.198	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.155	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0.116	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0.098	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0.074	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0.057	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0.044	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0.036	0	0	0	0	0	0A	---	---	27
28	---	---	0.020B	0.028	0	0	0	0	0	0E	---	---	28
29	---		1.08 B	0.021	0	0	0	0	0	0E	---	---	29
30	---		2.48 B	0.016	0	0	0	0	0	0E	---	---	30
31	---		2.42 B		0		0	0		0E		---	31
TOTAL	---	---	6.000	20.633	0.020	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.194	0.688	0.001	0	0	0	0	0	---	---	MEAN
MAX	---	---	2.48	2.35	0.010	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.016	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.109
MAXIMUM DAILY, 2.48B ON MAR 30
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.06B AT 09:14 CST ON APR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 20 34 N
LONG 97 50 33 W
DRAINAGE AREA, 168 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	518	SEP	0
APR	1 780	OCT	0
MAY	1.73	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 300 dam³

SHELL RIVER NEAR INGLIS - STATION NO. 05MD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.302B	0.174B	0.257B	0.468B	6.27	2.26	1.32	5.24	0.771	0.828	1.08	0.964B	1
2	0.295B	0.182B	0.282B	0.424B	5.88	2.19	1.27	4.95	0.772	0.952	1.05	0.928B	2
3	0.287B	0.191B	0.308B	0.379B	6.20	2.24	1.25	4.66	0.693	1.04	1.13B	0.892B	3
4	0.279B	0.199B	0.335B	0.506B	5.92	2.36	1.22	4.45	0.658	1.41	1.55B	0.847B	4
5	0.271B	0.207B	0.361B	0.649B	5.35	2.51	1.21	4.14	0.663	1.43	1.40B	0.813B	5
6	0.264B	0.215B	0.388B	0.802B	4.90	2.58	1.14	3.96	0.675	1.44	1.26B	0.788B	6
7	0.256B	0.224B	0.415B	0.964B	4.63	2.72	1.13	3.79	0.619	1.48	1.12B	0.767B	7
8	0.248B	0.232B	0.441B	1.13 B	4.36	2.83	1.14	3.56	0.583	1.37	1.02B	0.714B	8
9	0.240B	0.241B	0.468B	1.34 B	4.17	2.73	1.14	3.32	0.528	1.36	1.12B	0.680B	9
10	0.233B	0.249B	0.481B	1.55 B	4.19	2.60	1.11	3.08	0.468	1.49	1.00B	0.649B	10
11	0.225B	0.277B	0.424B	2.60 B	4.20	2.43	1.07	2.88	0.381	1.49	1.30B	0.611B	11
12	0.217B	0.305B	0.397B	10.4 B	4.04	2.25	1.05	2.76	0.327	1.42	1.66B	0.582B	12
13	0.214B	0.332B	0.370B	8.71 B	3.86	1.96	0.980	2.67	0.385	1.45	2.04B	0.554B	13
14	0.212B	0.360B	0.343B	7.50 B	3.65	1.77	0.934	2.63	0.437	1.32	1.94B	0.524B	14
15	0.209B	0.388B	0.379B	6.57 B	3.47	1.66	0.900	2.64	0.400	1.25	1.84B	0.504B	15
16	0.206B	0.416B	0.299B	6.67 B	3.44	1.60	1.20	2.37	0.457	1.22	1.73B	0.584B	16
17	0.204B	0.537B	0.249B	6.47 B	3.49	1.45	1.44	2.20	0.437	1.23	1.64B	0.563B	17
18	0.201B	0.658B	0.207B	7.36 B	3.43	1.44	1.76	2.10	0.396	1.24	1.55B	0.577B	18
19	0.198B	0.695B	0.273B	7.00 B	3.39	1.43	2.59	1.95	0.420	1.16	1.51B	0.592B	19
20	0.196B	0.732B	0.335B	6.83 B	3.27	1.39	3.67	1.73	0.374	1.11	1.45B	0.611B	20
21	0.193B	0.769B	0.397B	6.28 B	3.10	1.40	6.49	1.56	0.395	1.06	1.40B	0.630B	21
22	0.190B	0.658B	0.468B	7.10 B	3.12	1.37	9.12	1.40	0.354	1.02	1.36B	0.649B	22
23	0.187B	0.563B	0.432B	5.74	3.33	1.32	11.2	1.29	0.367	1.00	1.30B	0.658B	23
24	0.185B	0.468B	0.397B	6.32	3.32	1.28	13.1	1.18	0.398	1.03	1.26B	0.680B	24
25	0.182B	0.379B	0.361B	8.04	3.18	1.24	12.8	1.11	0.386	1.00	1.22B	0.702B	25
26	0.179B	0.290B	0.326B	7.33	2.98	1.38	10.6	1.02	0.341	0.994	1.16B	0.725B	26
27	0.177B	0.207B	0.290B	7.45	2.81	1.57	9.05	0.947	0.363	0.986	1.12B	0.736B	27
28	0.174B	0.232B	0.374B	8.03	2.64	1.58	7.89	0.878	0.453	1.08	1.08B	0.758B	28
29	0.171B		0.468B	7.84	2.60	1.50	7.22	0.848	0.562	1.15	1.04B	0.780B	29
30	0.169B		0.563B	7.02	2.47	1.39	6.33	0.791	0.706	1.15	1.00B	0.802B	30
31	0.166B		0.516B		2.36		5.72	0.738		1.10		0.836B	31
TOTAL	6.730	10.380	11.564	149.472	120.02	56.43	127.044	76.842	14.769	37.200	40.31	21.668	TOTAL
MEAN	0.217	0.371	0.373	4.98	3.87	1.88	4.10	2.48	0.492	1.20	1.34	0.699	MEAN
MAX	0.302	0.769	0.563	10.4	6.27	2.83	13.1	5.24	0.772	1.49	2.04	0.964	MAX
MIN	0.166	0.174	0.207	0.379	2.36	1.24	0.900	0.738	0.327	0.828	1.00	0.524	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.84
MAXIMUM DAILY, 13.1 ON JUL 24
MINIMUM DAILY, 0.166B ON JAN 31
MAXIMUM INSTANTANEOUS,
13.7 AT 01:24 CST ON JUL 25

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 40 N
LONG 101 19 05 W
DRAINAGE AREA, 2 000 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	581	JUL	11 000
FEB	897	AUG	6 640
MAR	999	SEP	1 280
APR	12 900	OCT	3 210
MAY	10 400	NOV	3 480
JUN	4 880	DEC	1 870

TOTAL DISCHARGE, 58 100 dam³

SHELL RIVER NEAR ROBLIN - STATION NO. 05MD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.175B	0.233B	3.84A	1.31	---	---	---	---	---	---	1
2	---	---	0.176B	0.250B	4.40A	1.33	---	---	---	---	---	---	2
3	---	---	0.177B	0.268B	3.48A	1.32	---	---	---	---	---	---	3
4	---	---	0.179B	0.286B	3.31A	1.49	---	---	---	---	---	---	4
5	---	---	0.180B	0.304B	3.15	1.36	---	---	---	---	---	---	5
6	---	---	0.181B	0.359B	2.97	1.25	---	---	---	---	---	---	6
7	---	---	0.182B	0.416B	2.84	1.17	---	---	---	---	---	---	7
8	---	---	0.183B	0.481B	2.75	1.14	---	---	---	---	---	---	8
9	---	---	0.185B	0.552B	2.66	1.14	---	---	---	---	---	---	9
10	---	---	0.186B	0.623B	2.49	1.14	---	---	---	---	---	---	10
11	---	---	0.187B	0.859B	2.35	1.27	---	---	---	---	---	---	11
12	---	---	0.188B	1.11 B	2.22	1.23	---	---	---	---	---	---	12
13	---	---	0.189B	1.36 B	2.13	1.17	---	---	---	---	---	---	13
14	---	---	0.191B	2.39 B	2.10	1.07	---	---	---	---	---	---	14
15	---	---	0.192B	3.54 B	2.05	1.02	---	---	---	---	---	---	15
16	---	---	0.193B	3.70 B	1.86	0.976	---	---	---	---	---	---	16
17	---	---	0.194B	4.21 B	1.75	1.04	---	---	---	---	---	---	17
18	---	---	0.196B	4.80 B	1.70	0.994	---	---	---	---	---	---	18
19	---	---	0.197B	4.65 B	1.71	0.942	---	---	---	---	---	---	19
20	---	---	0.199B	6.04 B	1.94	0.893	---	---	---	---	---	---	20
21	---	---	0.200B	5.95 A	2.12	0.872	---	---	---	---	---	---	21
22	---	---	0.202B	5.75 A	2.08	0.975	---	---	---	---	---	---	22
23	---	---	0.203B	6.17 A	2.01	1.35	---	---	---	---	---	---	23
24	---	---	0.205B	6.13 A	1.92	1.39	---	---	---	---	---	---	24
25	---	---	0.206B	5.90 A	1.79	1.20	---	---	---	---	---	---	25
26	---	---	0.208B	4.67 A	1.77	1.13	---	---	---	---	---	---	26
27	---	---	0.209B	4.31 A	1.67	1.02	---	---	---	---	---	---	27
28	---	---	0.211B	4.47 A	1.54	0.920	---	---	---	---	---	---	28
29	---		0.212B	3.80 A	1.46	0.830	---	---	---	---	---	---	29
30	---		0.214B	3.72 A	1.40	0.780	---	---	---	---	---	---	30
31	---		0.215B		1.31		---	---	---	---	---	---	31
TOTAL	---	---	6.015	87.301	70.77	33.722	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.194	2.91	2.28	1.12	---	---	---	---	---	---	MEAN
MAX	---	---	0.215	6.17	4.40	1.49	---	---	---	---	---	---	MAX
MIN	---	---	0.175	0.233	1.31	0.780	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.62
MAXIMUM DAILY, 6.17A ON APR 23
MINIMUM DAILY, 0.175B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 39 N
LONG 101 15 21 W
DRAINAGE AREA, 1 330 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	520	SEP	---
APR	7 540	OCT	---
MAY	6 110	NOV	---
JUN	3 910	DEC	---

TOTAL DISCHARGE, 17 100 dam³

SNOAL LAKE AT INDIAN BAY - STATION NO. 05PD004

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	322.552	---	---	---	---	---	---	---	---	322.972	---	---	1
2	---	---	---	322.381	---	---	322.875	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	323.076	---	---	323.149	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	322.509	322.436	---	---	322.698	---	---	---	---	323.051	---	5
6	---	---	---	---	---	---	---	323.173	---	---	---	---	6
7	---	---	---	---	322.454	---	---	---	---	---	---	---	7
8	322.564	---	---	---	---	---	---	---	---	322.990	---	---	8
9	---	---	---	322.378	---	---	323.033	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	323.064	---	---	323.179	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	322.497	322.399	---	---	322.759	---	---	---	---	323.051	---	12
13	---	---	---	---	---	---	---	323.149	---	---	---	---	13
14	---	---	---	---	322.527	---	---	---	---	---	---	---	14
15	322.545	---	---	---	---	---	323.076	---	---	323.006	---	---	15
16	---	---	---	322.381	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	323.003	---	---	323.186	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	322.478	322.390	---	---	322.814	---	---	---	---	323.094	---	19
20	---	---	---	---	---	---	---	323.137	---	---	---	---	20
21	---	---	---	---	322.606	---	---	---	---	---	---	---	21
22	322.524	---	---	---	---	---	323.240	---	---	323.021	---	---	22
23	---	---	---	322.405	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	322.978	---	---	323.198	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	322.439	322.381	---	---	322.856	---	---	---	---	323.118	---	26
27	---	---	---	---	---	---	---	323.106	---	---	---	---	27
28	---	---	---	---	322.649	---	---	---	---	---	---	---	28
29	322.515		---	---	---	---	---	---	---	323.048	---	---	29
30	---		---	322.454	---	---	323.143	---	---	---	---	---	30
31	---		---		---		---	---		---		323.173	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 37 20 N
LONG 95 12 30 W
DATA CONTRIBUTED BY - GREATER WINNIPEG WATER DISTRICT

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SNOAL LAKE NEAR SNOAL LAKE - STATION NO. 05MG007

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	546.597	546.581	546.513	546.528	---	---	---	---	1
2	---	---	---	---	546.597	546.581	546.513	546.525	---	---	---	---	2
3	---	---	---	---	546.597	546.575	546.513	546.522	---	---	---	---	3
4	---	---	---	---	546.594	546.572	546.507	546.525	---	---	---	---	4
5	---	---	---	---	546.591	546.569	546.507	546.518	---	---	---	---	5
6	---	---	---	---	546.588	546.572	546.501	546.506	---	---	---	---	6
7	---	---	---	---	546.588	546.572	456.500E	546.500	---	---	---	---	7
8	---	---	---	---	546.584	546.563	456.500E	546.488	---	---	---	---	8
9	---	---	---	---	546.588	546.545	456.499E	546.482	---	---	---	---	9
10	---	---	---	---	546.597	546.539	456.498E	---	---	---	---	---	10
11	---	---	---	---	546.597	546.539	456.497E	---	---	---	---	---	11
12	---	---	---	---	546.597	546.533	456.496E	---	---	---	---	---	12
13	---	---	---	---	546.600	546.533	546.495	---	---	---	---	---	13
14	---	---	---	---	546.600	546.527	546.501	---	---	---	---	---	14
15	---	---	---	---	546.603	546.545	546.495	---	---	---	---	---	15
16	---	---	---	---	546.603	546.542	546.526	---	---	---	---	---	16
17	---	---	---	---	546.606	546.539	546.532	---	---	---	---	---	17
18	---	---	---	---	546.603	546.533	546.526	---	---	---	---	---	18
19	---	---	---	---	546.603	546.527	546.538	---	---	---	---	---	19
20	---	---	---	---	546.600	546.530	546.526	---	---	---	---	---	20
21	---	---	---	546.584	546.600	546.532	546.513	---	---	---	---	---	21
22	---	---	---	546.584	546.594	546.535	546.550	---	---	---	---	---	22
23	---	---	---	546.588	546.584	546.535	546.538	---	---	---	---	---	23
24	---	---	---	546.591	546.615	546.538	546.532	---	---	---	---	---	24
25	---	---	---	546.591	546.612	546.535	546.526	---	---	---	---	---	25
26	---	---	---	546.591	546.612	546.526	546.513	---	---	---	---	---	26
27	---	---	---	546.594	546.606	546.538	546.541	---	---	---	---	---	27
28	---	---	---	546.594	546.600	546.535	546.538	---	---	---	---	---	28
29	---		---	546.597	546.597	546.535	546.535	---	---	---	---	---	29
30	---		---	546.597	546.600	546.532	546.532	---	---	---	---	---	30
31	---		---		546.600		546.528	---		---		---	31
MEAN	---	---	---	---	546.598	546.545	529.098	---	---	---	---	---	MEAN
MAX	---	---	---	---	546.615	546.581	546.550	---	---	---	---	---	MAX
MIN	---	---	---	---	546.584	546.526	456.496	---	---	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1982

MAXIMUM DAILY, 546.615 ON MAY 24

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 26 02 N
LONG 100 35 55 W

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - DRY AT GAUGE, APR 1-20, AUG 10-OCT 31

SILVER CREEK NEAR GRANDVIEW - STATION NO. 05LJ040

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 B	0.320	0.102	0	0.013	0	0.685	---	---	1
2	---	---	0 B	0 B	0.431	0.099	0.002	0.021	0	0.750	---	---	2
3	---	---	0 B	0 B	0.407	0.093	0.023	0.020	0	0.526	---	---	3
4	---	---	0 B	0 B	0.287	0.074	0.028	0.049	0	0.419	---	---	4
5	---	---	0 B	0 B	0.253	0.069	0.001	0.187	0	0.339	---	---	5
6	---	---	0 B	0 B	0.181	0.066	0	0.303	0	0.291	---	---	6
7	---	---	0 B	0 B	0.100	0.049	0	0.492	0	0.270	---	---	7
8	---	---	0 B	0 B	0.055	0.031	0	1.10	0	0.258	---	---	8
9	---	---	0 B	0 B	0.046	0.025	0	1.26	0	0.219	---	---	9
10	---	---	0 B	0 B	0.247	0.010	0	1.20	0	0.198	---	---	10
11	---	---	0 B	0.028B	0.276	0.011	0	1.15	0	0.187	---	---	11
12	---	---	0 B	0.112B	0.298	0.009	0	0.989	0	0.217	---	---	12
13	---	---	0 B	0.252B	0.293	0.005	0	0.609	0	0.165	---	---	13
14	---	---	0 B	0.485B	0.248	0.001	0	0.370	0	0.129	---	---	14
15	---	---	0 B	0.358B	0.205	0	0	0.267	0	0.117	---	---	15
16	---	---	0 B	0.326B	0.168	0.001	0	0.162	0	0.105	---	---	16
17	---	---	0 B	0.302B	0.241	0	0	0.080	0	0.133	---	---	17
18	---	---	0 B	0.302B	0.521	0	0.008	0.058	0	0.120	---	---	18
19	---	---	0 B	0.278B	0.457	0.001	0.004	0.031	0	0.132	---	---	19
20	---	---	0 B	0.232	0.387	0	0.001	0.023	0	0.130	---	---	20
21	---	---	0 B	0.329	0.375	0	0.144	0.043	0	0.123	---	---	21
22	---	---	0 B	0.232	0.324	0	0.546	0.021	0	0.121	---	---	22
23	---	---	0 B	0.213	0.293	0	0.541	0.085	0	0.121	---	---	23
24	---	---	0 B	0.264	0.291	0	0.456	0.146	0	0.116	---	---	24
25	---	---	0 B	0.371	0.268	0	0.334	0.066	0	0.112	---	---	25
26	---	---	0 B	0.302	0.207	0	0.228	0.197	0	0.116	---	---	26
27	---	---	0 B	0.205	0.157	0	0.092	0.024	0	0.118	---	---	27
28	---	---	0.005B	0.197	0.131	0	0.067	0.008	0	0.175	---	---	28
29	---		0.010B	0.276	0.125	0	0.041	0	0	0.331	---	---	29
30	---		0.030B	0.414	0.145	0	0.025	0	0.006	0.263	---	---	30
31	---		0.010B		0.126		0.017	0		0.250		---	31
TOTAL	---	---	0.055	5.474	7.863	0.646	2.558	8.974	0.006	7.196	---	---	TOTAL
MEAN	---	---	0.002	0.182	0.254	0.022	0.083	0.289	0	0.232	---	---	MEAN
MAX	---	---	0.030	0.485	0.521	0.102	0.546	1.26	0.006	0.750	---	---	MAX
MIN	---	---	0	0	0.046	0	0	0	0	0.105	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.134
MAXIMUM DAILY, 1.26 ON AUG 9
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 12 28 N
LONG 100 41 42 W
DRAINAGE AREA, 137 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	221
FEB	---	AUG	775
MAR	4.75	SEP	0.52
APR	473	OCT	622
MAY	679	NOV	---
JUN	55.8	DEC	---

TOTAL DISCHARGE, 2 830 dam³

SIMONHOUSE LAKE NEAR CRANBERRY PORTAGE - STATION NO. 05TA002

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	295.319E	---	---	295.527	295.483	295.404	295.385	295.329	---	---	1
2	---	---	295.319A	---	---	295.527	295.472	295.397	295.386	295.330	---	---	2
3	---	---	295.319	---	---	295.525	295.474	295.422	295.385	295.326	---	---	3
4	---	---	295.320	---	---	295.525	295.481	295.428	295.390	295.325	---	---	4
5	---	---	295.323	---	---	295.527	295.478	295.433	295.380	295.334	---	---	5
6	---	---	295.324	---	---	295.531	295.476	295.433	295.374	295.329	---	---	6
7	---	---	295.322	---	---	295.535	295.483	295.442	295.372	295.330	---	---	7
8	---	---	295.323	---	---	295.525	295.478	295.447	295.379	295.332	---	---	8
9	---	---	295.329	---	---	295.526	295.476	295.434	295.378	295.326	---	---	9
10	---	---	295.331	---	---	295.528	295.474	295.428	295.373	295.326	---	---	10
11	---	---	295.330	---	295.434A	295.527	295.471	295.420	295.378	295.329	---	---	11
12	---	---	295.340	---	---	295.526	295.468	295.423	295.370	295.332	---	---	12
13	---	---	295.349	---	---	295.526	295.464	295.432	295.368	295.329	---	---	13
14	---	---	295.348	---	---	295.526	295.461	295.429	295.361	295.329	---	---	14
15	---	---	295.349	---	---	295.525	295.465	295.437	295.353	295.318	---	---	15
16	---	---	295.346A	---	---	295.517	295.467	295.433	295.352	295.319	---	---	16
17	---	---	---	---	---	295.519	295.464	295.429	295.349	295.321	---	---	17
18	---	---	---	---	---	295.518	295.455	295.431	295.347	295.334	---	---	18
19	---	---	---	---	295.490A	295.521	295.450	295.425	295.350	295.335	---	---	19
20	---	---	---	---	295.487	295.522	295.455	295.423	295.349	295.333	---	---	20
21	---	---	---	---	295.493	295.519	295.445	295.420	295.348	295.334	---	---	21
22	---	---	---	---	295.497	295.513	295.430	295.415	295.342	295.329	---	---	22
23	---	---	---	---	295.499	295.530	295.429	295.411	295.337	295.329	---	---	23
24	---	---	---	---	295.505	295.525	295.430	295.407	295.335	295.333	---	---	24
25	---	---	---	---	295.502	295.522	295.431	295.401	295.332	295.329	---	---	25
26	---	---	---	295.368A	295.505	295.521	295.430	295.396	295.328	295.331	---	---	26
27	---	---	---	---	295.504	295.513	295.429	295.381	295.319	295.332	---	---	27
28	---	---	---	---	295.513	295.507	295.429	295.373	295.303	295.324A	---	---	28
29	---		---	---	295.517	295.505	295.430	295.382	295.318	295.323E	---	---	29
30	---		---	---	295.520	295.495	295.424	295.376	295.330	295.323E	---	---	30
31	---		---		295.526		295.419	295.378		295.323E		---	31
MEAN	---	---	---	---	---	295.522	295.456	295.416	295.356	295.328	---	---	MEAN
MAX	---	---	---	---	---	295.535	295.483	295.447	295.390	295.335	---	---	MAX
MIN	---	---	---	---	---	295.495	295.419	295.373	295.303	295.318	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 295.535 ON JUN 7

MAXIMUM INSTANTANEOUS,
295.550 AT 16:45 CST ON JUN 23

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 31 30 N
LONG 101 07 33 W

A - MANUAL GAUGE

E - ESTIMATED

SIPIWESK LAKE AT FORESTRY DOCK - STATION NO. 05UD006

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	3.403	3.048	2.674	1.969	---	3.319	3.997	4.395	1
2	---	---	---	---	3.429	3.034	2.663	1.947	---	3.358	4.009	4.406	2
3	---	---	---	---	3.464	3.024	2.675	2.008	---	3.372	4.025	4.428	3
4	---	---	---	---	3.488	3.003	2.706	2.030	---	3.357	4.049	4.438	4
5	---	---	---	---	3.503	2.984	2.695	2.035	---	3.385	4.055	4.419	5
6	---	---	---	3.397A	3.508	2.965	2.691	2.025	---	3.400	4.074	4.422	6
7	---	---	---	3.390	3.506	2.928	2.683	2.019	---	3.419	4.092	4.415	7
8	---	---	---	3.378	3.499	2.902	2.635	2.036	---	3.422	4.101	4.391	8
9	---	---	---	3.372	3.482	2.872	2.591	2.053	---	3.440	4.117	4.381	9
10	---	---	---	3.353	3.469	2.848	2.563	2.057	---	3.450	4.124	4.356	10
11	---	---	---	3.340	3.448	2.820	2.555	---	---	3.466	4.106	4.326	11
12	---	---	---	3.331	3.428	2.786	2.525	---	---	3.476	4.104	4.281	12
13	---	---	---	3.314	3.410	2.768	2.489	---	---	3.502	4.083	4.250	13
14	---	---	---	3.301	3.396	2.765	2.453	---	---	3.519	4.069	4.233	14
15	3.708A	---	---	3.295	3.373	2.767	2.434	---	---	3.539	4.097	4.205	15
16	3.718	---	---	3.292	3.358	2.755	2.426	---	---	3.539	4.141	4.190	16
17	3.716	---	---	3.285	3.340	2.773	2.394	---	---	3.565	4.176	4.185	17
18	3.723	---	---	3.270	3.314	2.765	2.379	---	---	3.619	4.220	4.189	18
19	3.726	---	---	3.256	3.300	2.745	2.336	---	---	3.655	4.277	4.177	19
20	3.728	---	---	3.242	3.281	2.727	2.300	---	---	3.677	4.327	4.181	20
21	3.738	---	---	3.230	3.253	2.706	2.255	---	2.795A	3.700	4.381	4.191	21
22	3.732	---	---	3.222	3.227	2.679	2.210	---	2.802	3.723	4.405	4.196	22
23	3.728	---	---	3.209	3.189	2.668	2.185	---	2.825	3.752	4.420	4.192	23
24	3.727	---	---	3.208	3.151	2.681	2.161	---	2.849	3.781	4.415	4.181	24
25	3.726	---	---	3.204	3.114	2.695	2.113	---	2.898	3.822	4.428	4.174	25
26	3.727	---	---	3.214	3.086	2.699	2.089	---	2.953	3.852	4.414	4.180	26
27	3.741	---	---	3.246	3.054	2.704	2.064	---	3.016	3.873	4.413	4.166	27
28	3.718A	---	---	3.279	3.075	2.698	2.048	---	3.056	3.906	4.401	4.167	28
29	---		---	3.315	3.062	2.697	2.027	---	3.154	3.952	4.392	4.171	29
30	---		---	3.366	3.058	2.682	2.001	---	3.255	3.977	4.395	4.157	30
31	---		---		3.059		1.982	---		3.989		4.144	31
MEAN	---	---	---	---	3.314	2.806	2.387	---	---	3.607	4.210	4.264	MEAN
MAX	---	---	---	---	3.508	3.048	2.706	---	---	3.989	4.428	4.438	MAX
MIN	---	---	---	---	3.054	2.668	1.982	---	---	3.319	3.997	4.144	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 05 40 N
LONG 97 30 00 W

MAXIMUM DAILY, 4.438 ON DEC 4

MAXIMUM INSTANTANEOUS,
4.440 AT 13:45 CST ON DEC 3

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SNOW LAKE AT SNOW LAKE - STATION NO. 05TB801

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	274.826	274.930	274.660E	274.635E	274.655E	274.722E	---	1
2	---	---	---	---	---	274.816E	274.937E	274.655	274.640	274.655	274.725E	---	2
3	---	---	---	---	275.055	274.806E	274.945	274.663E	274.647E	274.665E	274.729E	---	3
4	---	---	---	---	---	274.796	274.945E	274.671	274.655	274.675E	274.732	---	4
5	---	---	---	---	275.131	274.786E	274.945	274.663E	274.655E	274.686	274.732E	---	5
6	---	---	---	---	---	274.777E	274.945E	274.655	274.655E	274.686E	274.732	---	6
7	---	---	---	---	275.146	274.767E	274.945	274.655E	274.655	274.686	---	---	7
8	---	---	---	---	---	274.757E	274.937E	274.655E	274.655E	274.686E	---	---	8
9	---	---	---	---	---	274.748E	274.930	274.655E	274.655	274.686	---	---	9
10	---	---	---	---	---	274.738E	274.922E	274.655	274.661E	274.686E	---	---	10
11	---	---	---	---	---	274.729E	274.914E	274.647E	274.667E	274.686E	---	---	11
12	---	---	---	---	---	274.719	274.906E	274.640	274.673E	274.686	---	---	12
13	---	---	---	274.841	---	274.709E	274.899	274.640E	274.679E	274.686E	---	---	13
14	---	---	---	---	275.009	274.699E	274.868E	274.640	274.686	274.686	---	---	14
15	---	---	---	---	---	274.689	274.838	274.632E	274.686E	274.670E	---	---	15
16	---	---	---	---	274.994	274.689E	274.823E	274.625	274.686	274.655	---	---	16
17	---	---	---	---	---	274.689	274.808	274.621E	274.686E	274.660E	---	---	17
18	---	---	---	---	274.978	274.689E	274.796E	274.617E	274.686	274.666E	---	---	18
19	---	---	---	---	---	274.689	274.783E	274.614E	274.681E	274.671	---	---	19
20	---	---	---	---	274.963	274.709E	274.771E	274.610	274.676E	274.675E	---	---	20
21	---	---	---	---	---	274.729E	274.759E	274.617E	274.671	274.678E	---	---	21
22	---	---	---	---	274.933	274.750	274.747	274.625	274.671E	274.682E	---	---	22
23	---	---	---	---	---	274.795E	274.731E	274.617E	274.671	274.686	---	---	23
24	---	---	---	---	---	274.841	274.716	274.610	274.663E	274.691E	---	---	24
25	---	---	---	---	274.872	274.855E	274.716E	274.617E	274.655	274.696E	---	---	25
26	---	---	---	---	---	274.869	274.716	274.625	274.655E	274.701	---	---	26
27	---	---	---	---	274.872	274.879E	274.708E	274.625E	274.655E	274.708E	---	---	27
28	---	---	---	---	---	274.889E	274.701	274.625	274.655	274.716	---	---	28
29	---		---	274.948	---	274.899	274.686E	274.625E	274.655E	274.716E	---	---	29
30	---		---	---	274.856	274.914E	274.671	274.625	274.655	274.716	---	---	30
31	---		---		---		274.666E	274.630E		274.719E		---	31
MEAN	---	---	---	---	---	274.775	274.826	274.636	274.664	274.684	---	---	MEAN
MAX	---	---	---	---	---	274.914	274.945	274.671	274.686	274.719	---	---	MAX
MIN	---	---	---	---	---	274.689	274.666	274.610	274.635	274.655	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 53 10 N
LONG 100 01 50 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SNOWFLAKE CREEK NEAR SNOWFLAKE - STATION NO. 05OB016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	1.00 B	1.42	0.230	0.222	0.045	0	0	0.010	0.001B	1
2	0B	0B	0 B	1.00 B	1.29	0.221	0.207	0.039	0	0	0.010	0.163B	2
3	0B	0B	0 B	1.46 B	1.48	0.216	0.191	0.032	0	0	0.009	0.092B	3
4	0B	0B	0 B	0.941B	1.17	0.214	0.167	0.024	0	0	0.007	0.085B	4
5	0B	0B	0 B	0.711B	0.985	1.20	0.209	0.015	0	0	0.006	0.138B	5
6	0B	0B	0 B	0.900B	0.927	14.3	0.207	0.040	0	0	0.007	0.121B	6
7	0B	0B	0 B	1.11 B	0.793	6.94	0.162A	0.026	0	0.003	0.008	0.017B	7
8	0B	0B	0 B	1.01 B	0.744	5.25	0.147A	0.012	0	0.001	0.007	0.013B	8
9	0B	0B	0 B	1.12 B	0.780	4.81	0.144	0.004	0	0.001	0.005	0.011B	9
10	0B	0B	0 B	1.18 B	0.762	4.02	0.128	0.003	0	0.014	0.008	0.009B	10
11	0B	0B	0 B	2.14	0.754	3.28	0.116	0.002	0	0.006	0.011	0.002B	11
12	0B	0B	0 B	2.98	0.718	2.69	0.106	0.002	0	0.002	0.017	0.001B	12
13	0B	0B	0 B	2.18	0.691	2.28	0.099	0.002	0	0.014	0.001	0 B	13
14	0B	0B	0.050B	1.67	0.621	1.90	0.092	0.001	0	0.012	0.001	0 B	14
15	0B	0B	0.191B	1.97	0.561	1.51	0.101	0	0	0.013	0.001	0 B	15
16	0B	0B	0.126B	2.08	0.564	1.19	0.095	0	0	0.010	0.001	0 B	16
17	0B	0B	0.135B	1.79	0.620	1.03	0.096	0	0	0.020	0.001	0 B	17
18	0B	0B	0.175B	1.75	0.604	0.843	0.086	0	0	0.014	0.001	0 B	18
19	0B	0B	0.079B	1.90	0.558	0.768	0.086	0	0	0.009	0.002	0 B	19
20	0B	0B	0.026B	2.44	0.516	0.789	0.084	0	0	0.006	0.008	0 B	20
21	0B	0B	0.108B	2.65	0.489	0.582	0.065	0	0	0.004	0.001	0 B	21
22	0B	0B	0.277B	2.41	0.458	0.501	0.049	0	0	0.004	0.001B	0 B	22
23	0B	0B	0.251B	2.39	0.419	0.453	0.047	0	0	0.003	0.001B	0 B	23
24	0B	0B	0.180B	2.31	0.401	0.400	0.053	0	0	0.003	0.003B	0 B	24
25	0B	0B	0.145B	2.14	0.369	0.373	0.211	0	0	0.002	0.001B	0 B	25
26	0B	0B	0.126B	2.08	0.339	0.348	0.192	0	0	0.002	0.001B	0 B	26
27	0B	0B	0.135B	1.99	0.303	0.312	0.140	0	0	0.002	0.001B	0 B	27
28	0B	0B	0.349B	1.90	0.278	0.295	0.103	0	0	0.006	0.001B	0 B	28
29	0B		0.378B	1.85	0.263	0.269	0.090	0	0	0.014	0.001B	0 B	29
30	0B		1.32 B	1.68	0.248	0.240	0.068	0	0	0.008	0.001B	0 B	30
31	0B		1.16 B		0.239		0.054	0		0.008		0 B	31
TOTAL	0	0	5.211	52.682	20.364	57.454	3.817	0.247	0	0.181	0.133	0.653	TOTAL
MEAN	0	0	0.168	1.76	0.657	1.92	0.123	0.008	0	0.006	0.004	0.021	MEAN
MAX	0	0	1.32	2.98	1.48	14.3	0.222	0.045	0	0.020	0.017	0.163	MAX
MIN	0	0	0	0.711	0.239	0.214	0.047	0	0	0	0.001	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.386
MAXIMUM DAILY, 14.3 ON JUN 6
MINIMUM DAILY, 0B ON JAN 1

SUMMARY FOR THE YEAR 1982

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 17 N
LONG 98 36 13 W
DRAINAGE AREA, 979 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	330
FEB	0	AUG	21.3
MAR	450	SEP	0
APR	4 550	OCT	15.6
MAY	1 760	NOV	11.5
JUN	4 960	DEC	56.4

TOTAL DISCHARGE, 12 200 dam³

SOURIS RIVER AT SOURIS - STATION NO. 05MG021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.097B	2.93B	69.5	48.1	4.68	3.52	3.33	4.42	---	---	1
2	---	---	0.095B	3.50B	70.1	47.2	3.72	3.64	3.31	4.50	---	---	2
3	---	---	0.098B	4.00B	70.5	46.2	2.74	3.77	3.25	4.40	---	---	3
4	---	---	0.100B	6.00B	70.0	45.3	2.25	3.77	3.26	4.33	---	---	4
5	---	---	0.098B	3.88B	69.2	44.1	3.17	3.89	3.49	4.12	---	---	5
6	---	---	0.095B	2.33B	68.3	42.4	3.06	4.19	4.06	4.13	---	---	6
7	---	---	0.100B	1.78B	67.0	40.2	2.32	3.97	4.47	4.10	---	---	7
8	---	---	0.102B	1.52B	64.9	38.0	1.38	4.02	4.76	4.05	---	---	8
9	---	---	0.104B	1.60B	63.1	35.6	1.73	4.19	4.96	6.22	---	---	9
10	---	---	0.103B	1.79B	62.3	33.6	2.89	4.17	5.01	4.73	---	---	10
11	---	---	0.092B	4.23B	60.8	32.4	2.91	4.20	4.92	4.47	---	---	11
12	---	---	0.095B	37.9 B	59.1	31.4	2.71	4.14	4.74	4.15	---	---	12
13	---	---	0.096B	65.0 B	56.6	30.3	2.59	4.10	4.53	3.92	---	---	13
14	---	---	0.095B	69.3 B	53.7	28.8	2.58	4.16	4.61	4.05	---	---	14
15	---	---	0.121B	76.7 B	51.5	26.0	2.47	4.29	5.15	4.89	---	---	15
16	---	---	0.155B	66.7 B	49.7	22.3	2.84	4.06	5.60	6.43	---	---	16
17	---	---	0.199B	44.2 B	48.9	19.0	3.06	4.04	5.90	7.53	---	---	17
18	---	---	0.119B	38.5 B	48.3	16.4	3.10	4.11	6.13	8.00	---	---	18
19	---	---	0.100B	36.3 B	48.0	14.1	3.10	4.01	6.19	8.66	---	---	19
20	---	---	0.096B	37.6 B	47.8	12.3	2.89	3.78	6.20	9.06	---	---	20
21	---	---	0.092B	39.9 B	47.8	11.0	2.86	3.76	6.19	9.07	---	---	21
22	---	---	0.095B	43.7 B	48.2	10.2	2.85	3.59	6.20	8.66	---	---	22
23	---	---	0.108B	48.1 B	48.6	10.0	2.89	3.50	6.21	7.65	---	---	23
24	---	---	0.161B	52.3	49.9	9.68	2.93	3.42	5.85	7.28	---	---	24
25	---	---	0.166B	56.3	50.3	9.03	3.04	3.37	5.12	7.97	---	---	25
26	---	---	0.095B	59.4	50.5	8.29	3.10	3.36	4.38	8.83	---	---	26
27	---	---	0.085B	62.5	50.2	7.58	3.10	3.32	3.96	9.35	---	---	27
28	---	---	0.092B	65.3	49.9	6.95	3.19	3.30	4.65	10.2	---	---	28
29	---		0.411B	66.9	49.5	6.13	3.21	3.24	4.57	10.5	---	---	29
30	---		1.96 B	68.3	49.1	5.51	3.28	3.20	4.36	10.5	---	---	30
31	---		2.68 B		48.7		3.39	3.24		10.5		---	31
TOTAL	---	---	8.105	1 068.46	1 742.0	738.07	90.83	117.32	145.36	206.67	---	---	TOTAL
MEAN	---	---	0.261	35.6	56.2	24.6	2.90	3.78	4.85	6.67	---	---	MEAN
MAX	---	---	2.68	76.7	70.5	48.1	4.68	4.29	6.21	10.5	---	---	MAX
MIN	---	---	0.085	1.52	47.8	5.51	1.38	3.20	3.25	3.92	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.8
MAXIMUM DAILY, 76.7B ON APR 15
MINIMUM DAILY, 0.085B ON MAR 27
MAXIMUM INSTANTANEOUS,
79.5B AT 16:41 CST ON APR 15

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 10 N
LONG 100 15 00 W
DRAINAGE AREA, 58 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 780
FEB	---	AUG	10 100
MAR	700	SEP	12 600
APR	92 300	OCT	17 900
MAY	151 600	NOV	---
JUN	63 800	DEC	---

TOTAL DISCHARGE, 356 000 dam³

SOURIS RIVER AT WAWANESA - STATION NO. 05MG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.150B	0.164B	0.147B	21.2 B	70.0	48.0	5.74	3.03	2.80	4.20	10.6	4.07B	1
2	0.133B	0.163B	0.155B	16.6 B	71.0	47.1	4.98	3.13	2.85	4.29	10.7	3.71B	2
3	0.106B	0.181B	0.159B	8.46B	71.4	45.9	4.21	3.24	2.91	4.27	10.5	2.97B	3
4	0.102B	0.184B	0.158B	5.25B	71.4	44.8	3.33	3.32	2.81	4.17	10.2	2.45B	4
5	0.152B	0.186B	0.147B	5.78B	70.8	43.8	2.69	3.36	2.71	4.05	9.91	1.99B	5
6	0.167B	0.188B	0.138B	7.80B	70.7	43.1	2.19	3.52	2.70	4.05	9.86	1.76B	6
7	0.180B	0.186B	0.137B	7.49B	69.8	42.3	2.51	3.75	3.00	4.12	9.47	1.60B	7
8	0.178B	0.138B	0.139B	4.65B	68.0	39.7	3.09	3.60	3.52	4.03	8.08	1.95B	8
9	0.175B	0.148B	0.127B	3.85B	66.4	37.9	2.91	3.53	3.89	3.97	7.86	1.86B	9
10	0.151B	0.162B	0.105B	5.10B	66.9	35.7	2.22	3.71	4.13	4.90	10.3	1.71B	10
11	0.147B	0.153B	0.089B	6.34B	64.9	34.1	1.90	3.82	4.22	6.67	9.92	1.56B	11
12	0.125B	0.140B	0.090B	29.2 B	62.8	32.9	2.56	3.79	4.30	4.83	7.99	1.57B	12
13	0.132B	0.127B	0.092B	41.3 B	60.6	32.2	2.98	3.80	4.26	4.30	4.98	1.60B	13
14	0.130B	0.115B	0.099B	57.8 B	57.4	31.4	2.77	3.78	4.15	3.96	7.95	1.49B	14
15	0.138B	0.103B	0.110B	116 B	54.5	29.9	2.62	3.88	3.98	3.70	8.05	1.48B	15
16	0.155B	0.093B	0.120B	101	52.7	27.2	3.38	3.76	4.16	3.82	9.87	1.53B	16
17	0.125B	0.087B	0.120B	73.6	51.0	23.7	3.23	3.74	4.78	4.99	9.91	1.58B	17
18	0.088B	0.083B	0.105B	54.9	50.1	21.0	3.10	3.68	5.29	6.89	10.5	1.60B	18
19	0.107B	0.082B	0.104B	46.8	49.1	18.7	3.03	3.63	5.59	7.66	11.7	1.64B	19
20	0.120B	0.082B	0.123B	44.2	48.5	16.4	3.04	3.63	5.80	8.30	12.0 B	1.60B	20
21	0.125B	0.098B	0.202B	44.2	48.0	14.9	2.95	3.64	5.88	8.96	14.0 B	1.74B	21
22	0.134B	0.115B	0.249B	45.5	47.9	12.8	2.79	3.46	5.91	9.21	12.8 B	1.82B	22
23	0.139B	0.121B	0.266B	48.1	48.0	11.7	2.83	3.37	5.90	8.97	9.45B	1.84B	23
24	0.152B	0.119B	0.284B	51.3	49.6	11.1	2.83	3.15	6.00	8.24	8.91B	1.83B	24
25	0.155B	0.121B	0.305B	55.0	50.1	10.5	2.72	3.02	5.88	7.47	6.04B	1.86B	25
26	0.161B	0.132B	0.308B	59.0	50.3	9.86	2.66	2.92	5.31	7.71	4.77B	1.85B	26
27	0.152B	0.134B	0.321B	61.9	50.0	8.96	2.77	2.94	4.75	8.52	4.54B	1.88B	27
28	0.146B	0.148B	0.350B	64.8	49.7	8.26	2.88	2.99	5.16	9.80	4.48B	1.87B	28
29	0.141B		0.818B	67.4	49.3	7.58	3.16	2.90	4.51	10.4	4.02B	1.94B	29
30	0.157B		5.21 B	68.9	48.7	6.68	3.06	2.90	4.42	10.6	4.18B	2.09B	30
31	0.172B		21.6 B		48.6		2.98	2.82		10.6		2.07B	31
TOTAL	4.395	3.713	32.377	1 223.42	1 788.2	797.64	94.11	105.81	131.57	197.65	263.54	60.51	TOTAL
MEAN	0.142	0.133	1.04	40.8	57.7	26.6	3.04	3.41	4.39	6.38	8.78	1.95	MEAN
MAX	0.180	0.188	21.6	116	71.4	48.0	5.74	3.88	6.00	10.6	14.0	4.07	MAX
MIN	0.088	0.082	0.089	3.85	47.9	6.68	1.90	2.82	2.70	3.70	4.02	1.48	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.9
MAXIMUM DAILY, 116B ON APR 15
MINIMUM DAILY, 0.082B ON FEB 19
MAXIMUM INSTANTANEOUS,
125B AT 02:40 CST ON APR 15

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 36 05 N
LONG 99 40 55 W
DRAINAGE AREA, 60 300 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	380	JUL	8 130
FEB	321	AUG	9 140
MAR	2 800	SEP	11 400
APR	106 000	OCT	17 100
MAY	155 000	NOV	22 800
JUN	68 900	DEC	5 230

TOTAL DISCHARGE, 407 000 dam³

SOURIS RIVER NEAR COULTER - STATION NO. 05MF016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	0.005B	62.3	42.1	2.84	4.96	3.03	3.03	9.94	1.57B	1
2	0B	0B	0 B	0.005B	62.0	39.2	2.67	5.07	3.94	3.02	9.64	2.47B	2
3	0B	0B	0 B	0.008B	62.0	36.7	2.66	5.08	4.60	2.91	9.34	2.60B	3
4	0B	0B	0 B	0.015B	60.0	34.4	2.77	4.86	4.64	2.76	10.3 B	1.83B	4
5	0B	0B	0 B	0.020B	59.7	32.9	2.83	4.81	4.88	2.73	10.6 B	1.59B	5
6	0B	0B	0 B	0.020B	59.0	31.1	2.94	5.14	5.20	2.63	10.3 B	1.52B	6
7	0B	0B	0 B	0.020B	57.2	29.9	2.51	5.01	5.11	2.86	9.12B	1.49B	7
8	0B	0B	0 B	0.187B	53.5	29.3	2.15	4.52	4.99	2.78	8.55B	1.46B	8
9	0B	0B	0 B	0.872B	49.8	28.4	2.11	4.35	4.59	2.27	7.98B	1.61B	9
10	0B	0B	0 B	1.21 B	48.3	27.7	2.09	4.24	4.33	2.49	8.25B	1.61B	10
11	0B	0B	0 B	2.13 B	47.8	26.6	2.04	4.34	5.25	3.13	8.13B	1.53B	11
12	0B	0B	0 B	5.12 B	47.6	23.0	2.01	4.37	6.30	5.88	10.2 B	1.63B	12
13	0B	0B	0 B	5.97 B	47.2	19.1	2.03	4.10	6.41	8.27	11.5 B	1.62B	13
14	0B	0B	0 B	9.28 B	46.8	16.6	2.21	4.12	6.55	8.84	10.2 B	1.66B	14
15	0B	0B	0 B	12.3 B	46.0	15.3	3.11	4.06	7.07	8.99	9.94B	1.70B	15
16	0B	0B	0 B	15.0 B	47.5	12.5	3.36	3.80	7.01	10.0	10.0 B	1.71B	16
17	0B	0B	0 B	21.3 B	47.7	10.5	3.39	3.66	6.89	10.6	10.3 B	1.76B	17
18	0B	0B	0 B	29.3 B	47.8	9.89	3.40	3.53	6.83	9.88	10.2 B	1.74B	18
19	0B	0B	0 B	45.5 B	47.9	8.95	3.54	3.30	6.68	9.20	9.50B	1.70B	19
20	0B	0B	0 B	55.8	48.3	9.46	3.41	3.14	6.77	6.36	8.73B	1.65B	20
21	0B	0B	0 B	59.3	48.6	9.15	3.52	2.92	5.23	7.08	11.9 B	1.67B	21
22	0B	0B	0 B	60.7	48.7	7.91	3.74	2.87	3.73	8.51	13.8 B	1.66B	22
23	0B	0B	0 B	61.5	48.8	6.87	3.94	2.81	2.79	9.51	8.34B	1.68B	23
24	0B	0B	0 B	61.5	49.2	6.32	4.09	2.65	2.63	9.73	4.05B	1.65B	24
25	0B	0B	0 B	62.6	49.0	5.14	4.28	2.41	2.91	9.94	2.17B	1.66B	25
26	0B	0B	0 B	63.9	47.8	3.62	4.47	2.36	2.67	10.1	1.58B	1.64B	26
27	0B	0B	0 B	64.2	46.8	2.96	4.60	2.31	2.40	9.99	1.33B	1.63B	27
28	0B	0B	0 B	64.7	45.9	2.70	4.84	2.45	3.56	10.3	1.34B	1.58B	28
29	0B		0 B	65.7	45.4	2.63	4.78	2.20	3.62	10.7	1.40B	1.59B	29
30	0B		0.001B	63.4	44.4	2.72	5.01	2.27	3.13	10.4	1.51B	1.64B	30
31	0B		0.004B		43.0		4.98	2.33		10.1		1.70B	31
TOTAL	0	0	0.005	831.562	1 566.0	533.62	102.42	114.04	143.74	214.99	239.94	52.55	TOTAL
MEAN	0	0	0	27.7	50.5	17.8	3.30	3.68	4.79	6.94	8.00	1.70	MEAN
MAX	0	0	0.004	65.7	62.3	42.1	5.01	5.14	7.07	10.7	13.8	2.60	MAX
MIN	0	0	0	0.005	43.0	2.63	2.01	2.20	2.40	2.27	1.33	1.46	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.4
MAXIMUM DAILY, 65.7 ON APR 29
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
67.0 AT 10:27 CST ON APR 29

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 27 N
LONG 100 57 12 W
DRAINAGE AREA, 43 300 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	8 850
FEB	0	AUG	9 850
MAR	0.43	SEP	12 400
APR	71 800	OCT	18 600
MAY	135 000	NOV	20 700
JUN	46 100	DEC	4 540

TOTAL DISCHARGE, 328 000 dam³

SOURIS RIVER NEAR WESTHOPE - STATION NO. 05NF012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR		MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0B	0	B	62.3	43.9	2.72	4.39	4.11	3.45	8.67	1.36	1
2	0B	0B	0B	0	B	61.2	39.4	2.78	4.47	4.39	3.45	8.50	1.39	2
3	0B	0B	0B	0	B	60.3	37.1	2.78	4.39	4.47	3.45	8.18	1.39	3
4	0B	0B	0B	0	B	59.7	35.7	2.78	4.70	4.70	3.45	9.85	1.39	4
5	0B	0B	0B	0	B	58.6	34.5	2.78	4.39	4.81	3.45	11.6	1.44	5
6	0B	0B	0B	0	B	57.8	34.3	2.46	5.04	4.59	3.31	8.67	1.44	6
7	0B	0B	0B	0	B	54.9	34.0	1.81	5.15	4.47	3.31	7.87	1.47	7
8	0B	0B	0B	0	B	50.7	32.8	1.81	4.81	4.02	3.31	7.25	1.50	8
9	0B	0B	0B	0	B	49.0	32.3	1.93	4.81	3.23	3.17	7.70	1.56	9
10	0B	0B	0B	0	B	47.6	31.7	1.93	4.70	4.28	3.09	7.87	1.56	10
11	0B	0B	0B	0.028	B	48.7	30.6	1.93	4.59	5.04	4.42	8.18	1.56	11
12	0B	0B	0B	0.085	B	43.3	24.1	2.01	4.59	5.49	7.70	10.2	1.59	12
13	0B	0B	0B	1.25	B	43.0	20.4	2.07	4.39	5.86	8.50	11.0	1.64	13
14	0B	0B	0B	11.6	B	44.5	19.2	2.15	4.19	6.00	7.42	10.5	1.67	14
15	0B	0B	0B	13.0	B	47.0	16.7	2.92	4.11	5.61	8.78	9.85	1.67	15
16	0B	0B	0B	16.4	B	46.4	10.5	3.00	3.91	5.38	10.7	9.51	1.67	16
17	0B	0B	0B	22.9	B	46.4	9.51	3.09	3.54	5.15	10.9	9.00	1.67	17
18	0B	0B	0B	33.1	B	47.0	9.17	3.09	3.54	5.10	8.78	8.33	1.67	18
19	0B	0B	0B	49.8	B	47.3	9.51	3.23	3.54	4.53	6.00	7.87	1.67	19
20	0B	0B	0B	57.8	B	47.6	9.17	3.31	3.54	3.68	3.43	8.18	1.67	20
21	0B	0B	0B	62.0	B	47.6	7.87	3.31	3.45	2.86	7.42	18.7	1.67	21
22	0B	0B	0B	64.3	B	47.9	6.00	3.45	3.17	2.72	8.18	13.4	1.67	22
23	0B	0B	0B	65.7	B	48.1	5.86	3.62	3.09	2.58	8.33	2.69	1.67	23
24	0B	0B	0B	67.1		49.0	4.81	3.62	2.92	2.86	8.50	1.67	1.67	24
25	0B	0B	0B	65.7		48.4	2.72	3.62	2.78	3.23	8.50	1.44	1.67	25
26	0B	0B	0B	65.1		47.6	2.66	3.74	2.72	3.23	8.67	1.25	1.67	26
27	0B	0B	0B	64.8		47.0	2.66	3.82	2.66	3.23	8.67	1.08	1.67	27
28	0B	0B	0B	64.3		46.4	2.66	4.02	2.92	3.54	9.00	1.22	1.67	28
29	0B		0B	64.3		45.6	2.66	3.91	2.46	3.40	8.83	1.22	1.67	29
30	0B		0B	64.0		45.6	2.66	4.02	2.58	3.45	8.83	1.30	1.67	30
31	0B		0B			46.4		4.19	3.62		8.67		1.67	31
TOTAL	0	0	0	853.263	1	538.9	555.12	91.90	119.16	126.01	203.67	218.75	49.35	TOTAL
MEAN	0	0	0	28.4		49.6	18.5	2.96	3.84	4.20	6.57	7.29	1.59	MEAN
MAX	0	0	0	67.1		62.3	43.9	4.19	5.15	6.00	10.9	14.7	1.67	MAX
MIN	0	0	0	0		43.0	2.66	1.81	2.46	2.58	3.09	1.08	1.36	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.3
MAXIMUM DAILY, 67.1 ON APR 24
MINIMUM DAILY, 0B ON JAN 1

SUMMARY FOR THE YEAR 1982

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 47 N
LONG 100 57 29 W
DRAINAGE AREA, 43 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	7 940
FEB	0	AUG	10 300
MAR	0	SEP	10 900
APR	73 700	OCT	17 600
MAY	133 000	NOV	10 900
JUN	48 000	DEC	4 260

TOTAL DISCHARGE, 325 000 dam³

SOUTH MOOSE LAKE AT MOOSE LAKE - STATION NO. 05KK001

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	256.116	255.949	255.956	255.936	255.915	255.932	255.795	255.846	255.874	255.867	255.918	255.971	1
2	256.116	255.939	255.958	255.943	255.917	255.925	255.772	255.850	255.874	255.874	255.924	255.974	2
3	256.107	255.934	255.957	255.941	255.922	255.916	255.792	255.848	255.877	255.897	255.926	255.978	3
4	256.106	255.928	255.956	255.939	255.920	255.931	255.800	255.845	255.892	255.955	255.923	255.977	4
5	256.093	255.926	255.953	255.939	255.923	255.911	255.804	255.852	255.892	255.919	255.913	255.977	5
6	256.085	255.924	255.953	255.939	255.923	255.935	255.832	255.849	255.866	255.911	255.928	255.974	6
7	256.081	255.924	255.955	255.936	255.921	255.936	255.810	255.843	255.861	255.913	255.933	255.973	7
8	256.068	255.922	255.952	255.932	255.923	255.916	255.812	255.878	255.877	255.910	255.924	255.970A	8
9	256.061	255.926	255.954	255.928	255.925	255.902	255.816	255.852	255.890	255.915	255.908	255.969E	9
10	256.056	255.935	255.958	255.926	255.923	255.912	255.815	255.834	255.885	255.927	255.902	255.969E	10
11	256.054	255.935	255.959	255.928	255.925	255.907	255.813	255.823	255.879	255.915	255.951	255.968E	11
12	256.050	255.935	255.965	255.923	255.925	255.908	255.821	255.821	255.891	255.905	255.927	255.968E	12
13	256.048	255.937	255.965	255.919	255.923	255.900	255.803	255.818	255.929	255.903	255.932	255.967E	13
14	256.048	255.938	255.969	255.921	255.926	255.898	255.796	255.841	255.891	255.908	255.932	255.967A	14
15	256.030	255.947	255.972	255.915	255.928	255.886	255.813	255.829	255.858	255.914	255.941	255.974	15
16	256.020	255.957	255.972	255.910	255.925	255.898	255.818	255.847	255.885	255.919	255.942	255.972	16
17	256.019	255.962	255.965	255.909	255.919	255.892	255.880	255.848	255.882	255.963	255.944	255.970	17
18	256.017	255.961	255.966	255.905	255.923	255.880	255.825	255.852	255.905	255.949	255.951	255.969	18
19	256.008	255.964	255.961	255.905	255.918	255.887	255.818	255.858	255.896	255.916	255.954	255.962	19
20	256.005	255.966	255.962	255.900	255.921	255.888	255.811	255.852	255.876	255.909	255.952	255.962	20
21	256.000	255.967	255.961	255.901	255.926	255.880	255.822	255.859	255.872	255.915	255.950	255.957	21
22	255.996	255.957	255.955	255.901	255.925	255.842	255.825	255.878	255.888	255.923	255.952	255.951	22
23	255.990	255.958	255.952	255.902	255.897	255.879	255.812	255.855	255.900	255.922	255.956	255.953	23
24	255.984	255.956	255.948	255.898	255.918	255.880	255.805	255.867	255.868	255.929	255.955	255.951	24
25	255.983	255.960	255.943	255.897	255.893	255.860	255.828	255.853	255.854	255.920	255.950	255.953	25
26	255.987	255.955	255.938	255.900	255.903	255.855	255.833	255.839	255.894	255.921	255.954	255.956	26
27	255.982	255.956	255.940	255.905	255.905	255.858	255.830	255.844	255.907	255.929	255.961	255.951	27
28	255.971	255.962	255.945	255.909	255.928	255.850	255.825	255.851	255.953	255.932	255.962	255.950	28
29	255.968		255.944	255.905	255.928	255.833	255.837	255.844	255.941	255.916	255.968	255.944	29
30	255.956		255.946	255.908	255.929	255.823	255.815	255.856	255.905	255.897	255.971	255.945	30
31	255.956		255.941		255.940		255.853	255.882		255.907		255.951	31
MEAN	256.031	255.946	255.956	255.917	255.921	255.891	255.817	255.849	255.889	255.916	255.940	255.964	MEAN
MAX	256.116	255.967	255.972	255.943	255.940	255.936	255.880	255.882	255.953	255.963	255.971	255.978	MAX
MIN	255.956	255.922	255.938	255.897	255.893	255.823	255.772	255.818	255.854	255.867	255.902	255.944	MIN

WATER LEVELS IN METRES

MEAN, 255.920
MAXIMUM DAILY, 256.116 ON JAN 1
MINIMUM DAILY, 255.772 ON JUL 2
MAXIMUM INSTANTANEOUS,
256.119 AT 00:01 CST ON JAN 1

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 42 20 N
LONG 100 18 50 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1964

DRAINAGE AREA,
8 570 km²

SOUTH MOOSE LAKE AT MOOSE LAKE NARROWS CONTROL STRUCTURE - STATION NO. 05KK006

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	256.002	---	255.987	255.975	---	---	255.921	255.917	255.936	256.003	256.016	1
2	---	255.997	---	255.992	255.983	---	---	255.918	255.912	255.942	255.994	256.016	2
3	---	255.992	---	255.994	255.981	256.021A	---	255.944	255.916	255.948	255.989	256.025	3
4	---	255.988	256.017A	255.994	255.987	256.022	---	255.954	255.919	255.957	256.001	256.024	4
5	---	255.984	256.015	255.994	255.998	256.031	---	255.956	255.906	255.961	256.007	256.027	5
6	---	255.978	256.012	255.994	255.988	255.997	---	255.954	255.909	255.961	256.004	256.024	6
7	256.132A	255.994	256.010	255.992	255.961	---	---	255.958	255.917	255.964	256.000	256.025	7
8	256.133	255.977A	256.012	255.991	255.978	---	---	255.937	255.918	255.969	256.003	256.023	8
9	256.129	---	256.014	255.987	255.981	---	---	255.955	255.914	255.965	256.008	256.023	9
10	256.120	---	256.014	255.985	255.981	---	---	255.949	255.953	255.960	256.008	256.021	10
11	256.114	---	256.018	255.984	255.985	---	---	255.937	255.941	255.971	255.985	256.018	11
12	256.111	---	256.016	255.982	256.002	---	---	255.939	255.921	255.976	256.004	256.018	12
13	256.104	---	256.027	255.979	255.986	---	---	255.952	255.932	255.979	256.004	256.014	13
14	256.097	---	256.027	255.981	255.969	---	---	255.947	255.930	255.977	256.004	256.015	14
15	256.089	---	256.025	255.973	255.946	---	---	255.952	255.927	255.971	256.009	256.014	15
16	256.087	---	256.023	255.969	255.962	---	255.870A	255.940	255.927	255.969	256.009	256.012	16
17	256.082	---	256.015	255.965	255.968	---	255.885	255.932	255.916	255.971	256.008	256.012	17
18	256.071	---	256.019	255.964	255.948	---	255.950	255.936	255.926	255.978	256.010	256.007	18
19	256.067	---	256.021	255.963	255.947A	---	255.944	255.926	255.935	255.984	256.008	256.006	19
20	256.065	---	256.020	255.959	---	---	255.954	255.923	255.933	255.991	256.015	256.003	20
21	256.059	---	256.012	255.960	---	---	255.943	255.915	255.937	255.989	256.017	256.001	21
22	256.050	---	256.013	255.957	---	---	255.936	255.911	255.928	255.984	256.018	255.999	22
23	256.043	---	256.007	255.956	---	---	255.944	255.898	255.935	255.989	256.019	256.003	23
24	256.039	---	256.001	255.955	---	---	255.953	255.898	255.924	255.998	256.019	256.003	24
25	256.031	---	256.001	255.955	---	---	255.940	255.896	255.920	255.995	256.020	256.004	25
26	256.030	---	255.998	255.958	---	---	255.947	255.892	255.916	256.000	256.018	256.003	26
27	256.028	---	256.001	255.963	---	---	255.948	255.884	255.911	256.003	256.017	256.002	27
28	256.018	---	255.999	255.966	---	---	255.950	255.878	255.894	255.993	256.017	256.001	28
29	256.015		255.994	255.972	---	---	255.951	255.896	255.932	256.000	256.017	255.999	29
30	256.013		256.001	255.971	---	---	255.955	255.887	255.944	256.010	256.018	255.999	30
31	256.009		255.990		---		255.942	255.910		256.006		256.001	31
MEAN	---	---	---	255.975	---	---	---	255.926	255.924	255.977	256.008	256.012	MEAN
MAX	---	---	---	255.994	---	---	---	255.958	255.953	256.010	256.020	256.027	MAX
MIN	---	---	---	255.955	---	---	---	255.878	255.894	255.936	255.985	255.999	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 256.133 ON JAN 8

MAXIMUM INSTANTANEOUS,
256.135 AT 11:11 CST ON JAN 8

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 00 N
LONG 100 10 00 W

A - MANUAL GAUGE

REGULATED SINCE 1964

SOUTH SEAL RIVER ABOVE FOX LAKE - STATION NO. 06GA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.0B	11.0 B	9.11B	8.46B	28.0B	181	160	67.5	62.5E	74.5	46.0B	30.1B	1
2	14.6B	10.9 B	9.11B	8.46B	44.9B	193	153	65.4	60.9	75.0	45.1B	29.8B	2
3	14.5B	10.8 B	9.11B	8.46B	65.0B	196	146	60.6	56.1	70.7	44.0B	29.5B	3
4	14.4B	10.7 B	9.05B	8.46B	88.8B	196	143	57.2	56.4	71.2	43.3B	29.3B	4
5	14.3B	10.6 B	9.05B	8.46B	121 B	195	139	55.2	57.8E	71.5	42.5B	29.2B	5
6	14.0B	10.5 B	9.05B	8.46B	154 B	195E	131	56.3	61.4E	71.4	41.6B	28.8B	6
7	13.9B	10.4 B	9.05B	8.46B	165 B	196A	130	56.0	65.0E	70.2	41.0B	28.6B	7
8	13.7B	10.4 B	8.98B	8.46B	168 B	203	126	55.8	68.9	70.2	40.1B	28.2B	8
9	13.6B	10.3 B	8.98B	8.46B	168 B	205	124	58.0	71.6	69.9	39.4B	28.1B	9
10	13.4B	10.2 B	8.98B	8.46B	169 B	210	119	58.4	71.6	68.6	38.8B	27.7B	10
11	13.3B	10.2 B	8.91B	8.46B	169 B	220	114	61.5	77.4	66.9	38.4B	27.6B	11
12	13.1B	10.1 B	8.91B	8.46B	168 B	227	113	62.8	83.8E	66.2	37.7B	27.5B	12
13	13.0B	10.0 B	8.85B	8.46B	167 B	229	110	64.5	88.1E	66.8	37.1B	27.3B	13
14	12.9B	9.96B	8.78B	8.46B	165 E	230	106	65.0	93.4A	64.9	36.7B	27.1B	14
15	12.7B	9.90B	8.72B	8.46B	161 A	229	104	65.4	94.3	63.2	36.2B	26.9B	15
16	12.6B	9.83B	8.72B	8.46B	159	223	100	67.0	91.8	62.7	35.8B	26.8B	16
17	12.4B	9.77B	8.59B	8.46B	156	222	98.1	67.7	89.9	59.4	35.2B	26.6B	17
18	12.3B	9.70B	8.59B	8.46B	151	216	95.2	66.1	91.8	56.6	34.9B	26.4B	18
19	12.2B	9.70B	8.59B	8.46B	147	209	94.1	65.1	92.4	56.6	34.1B	26.2B	19
20	12.1B	9.70B	8.52B	8.46B	147	203	92.8	65.4E	94.8	56.4	33.9B	26.1B	20
21	11.8B	9.64B	8.52B	8.46B	147	196	89.5	65.0E	94.6	55.8	33.5B	25.9B	21
22	11.8B	9.57B	8.52B	8.46B	147	193	86.4	65.0E	91.3	55.3	33.0B	25.8B	22
23	11.7B	9.51B	8.52B	8.46B	149	188	84.3	65.0E	90.5	54.1	32.6B	25.7B	23
24	11.6B	9.44B	8.52B	8.46B	143	184	81.5	65.0E	88.2	54.2	32.3B	25.5B	24
25	11.6B	9.37B	8.46B	8.46B	142	181	78.3	65.0E	88.3	53.7	31.9B	25.3B	25
26	11.4B	9.31B	8.46B	8.52B	138	177	78.2	65.0E	81.8	52.5	31.6B	25.2B	26
27	11.4B	9.24B	8.46B	8.78B	143 E	175	76.6	64.9E	81.7	51.5	31.2B	25.1B	27
28	11.2B	9.18B	8.46B	9.24B	149 A	171	75.8	64.6E	79.5	49.9	31.0B	25.0B	28
29	11.2B		8.46B	9.83B	163	169	75.3	64.4E	73.2	49.0	30.7B	24.9B	29
30	11.1B		8.46B	15.3 B	169	164	71.6	64.4E	71.3	47.7B	30.3B	24.8B	30
31	11.0B		8.46B		174		68.5	63.2E		47.1B		24.7B	31
TOTAL	393.8	279.92	270.95	263.17	4 425.7	5 976	3 264.2	1 952.3	2 370.3	1 903.7	1 099.9	835.7	TOTAL
MEAN	12.7	10.0	8.74	8.77	143	199	105	63.0	79.0	61.4	36.7	27.0	MEAN
MAX	15.0	11.0	9.11	15.3	174	230	160	67.7	94.8	75.0	46.0	30.1	MAX
MIN	11.0	9.18	8.46	8.46	28.0	164	68.5	55.2	56.1	47.1	30.3	24.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 63.1
MAXIMUM DAILY, 230 ON JUN 14
MINIMUM DAILY, 8.46B ON MAR 25
MAXIMUM INSTANTANEOUS,
235 AT 14:10 CST ON JUN 13

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 08 35 N
LONG 98 13 40 W
DRAINAGE AREA, 12 200 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	34 000	JUL	282 000
FEB	24 200	AUG	169 000
MAR	23 400	SEP	205 000
APR	22 700	OCT	164 000
MAY	382 000	NOV	95 000
JUN	516 000	DEC	72 200

TOTAL DISCHARGE, 1 990 000 dam³

SOUTH TOBACCO CREEK NEAR MIAMI - STATION NO. 05OF017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.431	0.022	0.008	[illegible]	0	0	0	---	---	1
2	---	---	0 B	0.117	0.019	0.007	0	0	0	0	---	---	2
3	---	---	0 B	0.004	0.018	0.006	0	0	0	0	---	---	3
4	---	---	0 B	0.025	0.019	0.005	0	0	0	0	---	---	4
5	---	---	0 B	0.047	0.019	0.004	0	0	0	0	---	---	5
6	---	---	0 B	0.024	0.018	0.003	0	0	0	0	---	---	6
7	---	---	0 B	0.029	0.017	0.006	0	0	0	0	---	---	7
8	---	---	0 B	0.061	0.014	0.013	0	0	0	0	---	---	8
9	---	---	0 B	0.189	0.013	0.013	0	0	0	0	---	---	9
10	---	---	0 B	0.266	0.016	0.014	0	0	0	0	---	---	10
11	---	---	0 B	0.770	0.021	0.011	0	0	0	0.021A	---	---	11
12	---	---	0 B	2.43	0.021	0.007	0	0	0	0.106	---	---	12
13	---	---	0 B	0.886	0.021	0.004	0	0	0	0.052	---	---	13
14	---	---	0 B	0.726	0.018	0.003	0	0	0	0.028	---	---	14
15	---	---	0 B	1.21	0.017	0.003	0	0	0	0.017	---	---	15
16	---	---	0 B	0.516	0.022	0.002	0	0	0	0.011	---	---	16
17	---	---	0 B	0.248	0.033	0	0	0	0	0.009	---	---	17
18	---	---	0 B	0.298	0.061	0	0	0	0	0.010	---	---	18
19	---	---	0 B	0.172	0.071	0	0	0	0	0.006	---	---	19
20	---	---	0 B	0.105	0.056	0	0	0	0	0	---	---	20
21	---	---	0 B	0.078	0.043	0	0	0	0	0	---	---	21
22	---	---	0 B	0.064	0.035	0	0	0	0	0	---	---	22
23	---	---	0 B	0.062	0.028	0	0	0	0	0	---	---	23
24	---	---	0 B	0.066	0.023	0	0	0	0	0	---	---	24
25	---	---	0 B	0.064	0.019	0	0	0	0	0	---	---	25
26	---	---	0 B	0.049	0.017E	0	0	0	0	0	---	---	26
27	---	---	0 B	0.038	0.016E	0	0	0	0	0	---	---	27
28	---	---	0 B	0.032	0.015A	0	0	0	0	0	---	---	28
29	---		0.436A	0.028	0.012	0	0	0	0	0	---	---	29
30	---		1.85	0.025	0.011	0	0	0	0	0	---	---	30
31	---		1.18		0.009		0	0		0		---	31
TOTAL	---	---	3.466	9.060	0.744	0.109	0	0	0	0.260	---	---	TOTAL
MEAN	---	---	0.112	0.302	0.024	0.004	0	0	0	0.008	---	---	MEAN
MAX	---	---	1.85	2.43	0.071	0.014	0	0	0	0.106	---	---	MAX
MIN	---	---	0	0.004	0.009	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.056
MAXIMUM DAILY, 2.43 ON APR 12
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.62 AT 23:07 CST ON APR 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 22 50 N
LONG 98 14 55 W
DRAINAGE AREA, 73.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	299	SEP	0
APR	783	OCT	22.5
MAY	64.3	NOV	---
JUN	9.42	DEC	---

TOTAL DISCHARGE, 1 180 dam³

SOUTHERN INDIAN LAKE AT SOUTH BAY - STATION NO. 06EC003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	257.027	257.010	257.659	258.204	258.113	258.171	257.981	257.686	257.367	1
2	---	---	---	257.036	257.025	257.675	258.214	258.103	258.165	257.996	257.687	257.368	2
3	---	---	---	257.027	257.046	257.701	258.196	258.110	258.165	258.022	257.678	257.351	3
4	---	---	---	257.017	257.066	257.731	258.215	258.101	258.180	257.999	257.650	257.337	4
5	---	---	---	257.017	257.093	257.754	258.211	258.087	258.166	257.963	257.616	257.334	5
6	---	---	---	257.015	257.109	257.807	258.208	258.083	258.134	257.946	257.616	257.316	6
7	---	---	---	257.023	257.147	257.836	258.200	258.107	258.126	257.945	257.617	257.299	7
8	---	---	---	257.009	257.164	257.829	258.192	258.139	258.124	257.944	257.596	257.284	8
9	---	---	---	257.015	257.176	257.845	258.171	258.109	258.135	257.950	257.555	257.293	9
10	---	---	---	257.010	257.203	257.875	258.177	258.109	258.133	257.942	257.556	257.278	10
11	---	---	---	257.007	257.225	257.899	258.170	258.105	258.125	257.918	257.596	257.276	11
12	---	---	---	257.003	257.237	257.922	258.177	258.101	258.136	257.910	257.549	257.277	12
13	257.108A	---	---	257.014	257.261	257.937	258.153	258.109	258.151	257.904	257.535	257.257	13
14	257.116	---	---	257.002	257.286	257.955	258.134	258.126	258.107	257.923	257.52[illegible]	257.255	14
15	257.099	---	---	257.016	257.296	257.968	258.134	258.198	258.082	257.919	257.513	257.259	15
16	257.100	---	---	257.015	257.311	257.999	258.149	258.198	258.125	257.889	257.500	257.258	16
17	257.088	---	---	256.991	257.330	258.003	258.145	258.210	258.106	257.872	257.486	257.258	17
18	257.088	---	---	257.000	257.358	258.026	258.122	258.225	258.119	257.854	257.478	257.257	18
19	257.081	---	---	257.005	257.358	258.041	258.100	258.237	258.115	257.823	257.464	257.243	19
20	257.072	---	---	256.994	257.371	258.060	258.105	258.231	258.089	257.811	257.475	257.234	20
21	257.081	---	---	256.987	257.390	258.076	258.124	258.233	258.080	257.819	257.460	257.226	21
22	257.038A	---	---	256.994	257.406	258.075	258.120	258.248	258.099	257.801	257.449	257.213	22
23	---	---	---	257.002	257.418	258.121	258.119	258.223	258.094	257.774	257.438	257.202	23
24	---	---	---	256.997	257.441	258.148	258.136	258.219	258.059	257.776	257.423	257.195	24
25	---	---	---	257.000	257.462	258.153	258.141	258.206	258.078	257.761	257.414	257.190	25
26	---	---	---	256.986	257.506	258.175	258.132	258.209	258.103	257.762	257.403	257.182	26
27	---	---	---	256.992	257.530	258.202	258.130	258.225	258.065	257.754	257.407	257.174	27
28	---	---	---	256.986	257.562	258.207	258.116	258.190	258.051	257.763	257.395	257.160	28
29	---		---	256.990	257.584	258.204	258.129	258.192	258.096	257.746	257.387	257.146	29
30	---		---	257.000	257.610	258.214	258.125	258.182	258.068	257.699	257.384	257.147	30
31	---		257.030A		257.643		258.136	258.176		257.695		257.145	31
MEAN	---	---	---	257.006	257.310	257.970	258.154	258.165	258.115	257.866	257.518	257.251	MEAN
MAX	---	---	---	257.036	257.643	258.214	258.215	258.248	258.180	258.022	257.687	257.368	MAX
MIN	---	---	---	256.986	257.010	257.659	258.100	258.083	258.051	257.695	257.384	257.145	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 258.248 ON AUG 22

MAXIMUM INSTANTANEOUS,
258.259 AT 15:40 CST ON AUG 15

WATER LEVELS ARE REFERRED TO CHURCHILL RIVER DATUM (MANITOBA HYDRO)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 40 51 N
LONG 99 01 11 W

A - MANUAL GAUGE

REGULATED

SOUTHERN INDIAN LAKE NEAR SOUTH INDIAN LAKE - STATION NO. 06EC001

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	257.027	256.980	257.621	258.166	258.078	258.142	257.948	257.671	---	1
2	---	---	---	257.035	256.995	257.641	258.182	258.080	258.137	257.952	257.667	---	2
3	---	---	---	257.026	257.029	257.659	258.174	258.081	258.136	257.974	257.659	---	3
4	---	---	---	257.030	257.033	257.696	258.169	258.068	258.146	257.951	257.643	---	4
5	---	---	---	257.023	257.046	257.717	258.165	258.066	258.146	257.923	257.611	---	5
6	---	---	---	257.012	257.064	257.763	258.162	258.065	258.134	257.910	257.603	---	6
7	---	---	---	257.004	257.107	257.782	258.147	258.083	258.106	257.905	257.604	---	7
8	---	---	---	257.007	257.117	257.784	258.138	258.121	258.114	257.899	257.588	---	8
9	---	---	---	257.018	257.134	257.787	258.128	258.102	258.131	257.896	257.555	---	9
10	---	---	---	257.006	257.164	257.824	258.117	258.086	258.131	257.894	257.542	---	10
11	---	---	---	257.005	257.177	257.846	258.116	258.094	258.126	257.872	257.588	---	11
12	---	---	---	257.011	257.192	257.866	258.126	258.087	258.116	257.866	257.548	---	12
13	257.090A	---	---	257.001	257.210	257.890	258.112	258.089	258.132	257.864	257.523	---	13
14	---	---	---	256.985	257.235	257.910	258.098	258.093	258.104	257.870	257.515	---	14
15	---	---	---	256.977	257.254	257.919	258.098	258.170	258.074	257.878	257.506	---	15
16	---	---	---	256.996	257.266	257.941	258.094	258.177	258.096	257.858	257.491	---	16
17	---	---	---	256.991	257.295	257.953	258.099	258.184	258.081	257.845	257.482	---	17
18	---	---	---	256.982	257.306	257.977	258.080	258.200	258.088	257.829	257.480	---	18
19	---	---	---	256.984	257.327	257.997	258.068	258.211	258.091	257.810	257.470	---	19
20	---	---	---	256.994	257.330	258.015	258.069	258.204	258.071	257.789	257.472	---	20
21	---	---	---	256.987	257.353	258.031	258.091	258.201	258.068	257.791	---	---	21
22	---	---	---	256.988	257.370	258.040	258.088	258.211	258.067	257.781	---	---	22
23	---	---	---	256.983	257.383	258.071	258.089	258.191	258.062	257.765	---	---	23
24	---	---	---	256.980	257.400	258.110	258.093	258.182	258.031	257.765	---	---	24
25	---	---	---	256.985	257.409	258.123	258.114	258.172	258.030	257.747	---	---	25
26	---	---	---	256.981	257.451	258.128	258.105	258.175	258.055	257.744	---	---	26
27	---	---	---	256.970	257.480	258.164	258.104	258.181	258.019	257.734	---	---	27
28	---	---	---	256.961	257.511	258.169	258.091	258.162	258.005	257.735	---	---	28
29	---		---	256.965	257.543	258.168	258.100	258.152	258.035	257.729	---	---	29
30	---		---	256.964	257.569	258.168	258.094	258.160	258.015	257.693	---	---	30
31	---		257.031A		257.596		258.101	258.150		257.678		---	31
MEAN	---	---	---	256.996	257.269	257.925	258.115	258.138	258.090	257.835	---	---	MEAN
MAX	---	---	---	257.035	257.596	258.169	258.182	258.211	258.146	257.974	---	---	MAX
MIN	---	---	---	256.961	256.980	257.621	258.068	258.065	258.005	257.678	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 258.211 ON AUG 19
MINIMUM DAILY, 256.961 ON APR 28
MAXIMUM INSTANTANEOUS,
258.226 AT 15:19 CST ON AUG 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 46 44 N
LONG 98 56 28 W

A - MANUAL GAUGE

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. GOVT. EXT.)

SPLIT LAKE AT SPLIT LAKE - STATION NO. 05UF003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	166.956	167.139	167.006	166.619	166.539	166.645	166.183	166.606	166.519	167.021	167.422	167.750	1
2	166.916	167.130	167.008	166.616	166.621	166.647	166.102	166.565	166.528	167.097	167.428	167.736	2
3	166.901	167.141	167.032	166.617	166.721	166.628	166.116	166.559	166.548	167.173	167.428	167.676	3
4	166.880	167.137	167.072	166.610	166.821	166.608	166.137	166.621	166.599	167.185	167.431	167.651	4
5	166.880	167.123	167.084	166.605	166.956	166.597	166.157	166.675	166.645	167.239	167.443	167.652	5
6	166.859	167.128	167.072	166.591	167.091	166.570	166.183	166.685	166.677	167.262	167.462	167.666	6
7	166.848	167.142	167.050	166.584	167.179	166.605	166.263	166.683	166.693	167.270	167.486	167.682	7
8	166.840	167.152	167.016	166.581	167.228	166.612	166.334	166.666	166.704	167.285	167.491	167.707	8
9	166.825	167.151	166.986	166.574	167.283	166.607	166.384	166.701	166.734	167.299	167.499	167.731	9
10	166.827	167.159	166.953	166.568	167.303	166.587	166.336	166.691	166.764	167.284	167.497	167.761	10
11	166.850	167.145	166.922	166.567	167.313	166.573	166.352	166.687	166.844	167.311	167.501	167.787	11
12	166.887	167.122	166.893	166.567	167.306	166.559	166.359	166.713	166.861	167.321	167.527	167.782	12
13	166.913	167.142	166.883	166.547	167.316	166.503	166.429	166.732	166.879	167.325	167.559	167.749	13
14	166.955	167.168	166.879	166.537	167.296	166.461	166.449	166.739	166.910	167.304	167.587	167.710	14
15	166.964	167.166	166.885	166.524	167.238	166.421	166.444	166.742	166.987	167.300	167.557	167.648	15
16	166.965	167.163	166.854	166.558	167.203	166.369	166.425	166.744	167.066	167.292	167.502	167.620	16
17	166.967	167.163	166.805	166.574	167.177	166.366	166.379	166.696	167.114	167.246	167.424	167.637	17
18	166.974	167.098	166.766	166.570	167.095	166.366	166.455	166.658	167.144	167.282	167.392	167.633	18
19	166.978	167.036	166.765	166.564	167.057	166.360	166.492	166.663	167.179	167.300	167.373	167.620	19
20	166.983	167.019	166.747	166.547	167.056	166.373	166.515	166.636	167.199	167.296	167.409	167.621	20
21	166.992	166.999	166.719	166.530	167.032	166.365	166.534	166.630	167.215	167.287	167.424	167.620	21
22	167.004	166.987	166.695	166.524	166.987	166.372	166.563	166.609	167.210	167.312	167.462	167.608	22
23	167.021	166.983	166.660	166.509	166.959	166.347	166.562	166.591	167.213	167.332	167.504	167.632	23
24	167.013	166.991	166.630	166.505	166.940	166.291	166.572	166.590	167.206	167.345	167.536	167.643	24
25	167.012	166.993	166.627	166.503	166.898	166.264	166.572	166.566	167.140	167.340	167.592	167.678	25
26	167.009	167.003	166.621	166.447	166.776	166.226	166.591	166.550	167.031	167.363	167.643	167.720	26
27	167.035	167.009	166.643	166.402	166.741	166.187	166.597	166.542	167.004	167.360	167.708	167.742	27
28	167.046	167.011	166.641	166.377	166.713	166.190	166.609	166.537	166.963	167.362	167.749	167.736	28
29	167.080		166.626	166.387	166.691	166.218	166.615	166.542	166.953	167.392	167.721	167.712	29
30	167.108		166.619	166.457	166.677	166.230	166.608	166.542	167.007	167.396	167.712	167.689	30
31	167.132		166.609		166.650		166.569	166.520		167.408		167.673	31
MEAN	166.955	167.093	166.831	166.539	166.996	166.438	166.416	166.635	166.918	167.290	167.516	167.686	MEAN
MAX	167.132	167.168	167.084	166.619	167.316	166.647	166.615	166.744	167.215	167.408	167.749	167.787	MAX
MIN	166.825	166.983	166.609	166.377	166.539	166.187	166.102	166.520	166.519	167.021	167.373	167.608	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 166.942
MAXIMUM DAILY, 167.787 ON DEC 11
MINIMUM DAILY, 166.102 ON JUL 2
MAXIMUM INSTANTANEOUS,
167.801 AT 14:39 CST ON DEC 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 14 43 N
LONG 96 05 40 W

REGULATED SINCE 1960

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. GOVT. EXT.)

ST. MALO RESERVOIR NEAR ST. MALO - STATION NO. 05OE003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	256.045	256.020	256.041	256.154	256.275	256.190	256.131	256.185	256.094	256.057	256.176	256.081	1
2	256.044	256.019	256.042	256.143	256.266	256.190	256.122	256.129	256.087	256.068	256.171	256.092	2
3	256.044	256.018	256.043	256.087	256.255	256.187	256.133	256.128	256.083	256.066	256.166	256.120	3
4	256.045	256.017	256.045	256.085	256.247	256.181	256.126	256.127	256.080	256.063	256.162	256.122	4
5	256.044	256.016	256.045	256.086	256.242	256.173	256.155	256.126	256.076	256.065	256.150	256.120	5
6	256.042	256.016	256.046	256.085	256.229	256.171	256.213	256.133	256.072	256.077	256.136	256.113	6
7	256.041	256.015	256.047	256.084	256.219	256.191	256.185	256.144	256.066	256.113	256.145	256.099	7
8	256.040	256.015	256.048	256.080	256.216	256.194	256.177	256.143	256.065	256.126	256.139	256.087	8
9	256.039	256.013	256.049	256.078	256.214	256.218	256.167	256.137	256.063	256.137	256.120	256.081	9
10	256.038	256.013	256.050	256.077	256.218	256.257	256.163	256.133	256.062	256.150	256.132	256.070	10
11	256.036	256.015	256.049	256.091	256.223	256.263	256.160	256.129	256.058	256.169	256.130	256.070	11
12	256.035	256.016	256.049	256.178	256.224	256.261	256.153	256.128	256.055	256.181	256.099	256.068	12
13	256.034	256.017	256.049	256.210	256.222	256.260	256.147	256.125	256.053	256.185	256.099	256.067	13
14	256.034	256.019	256.048	256.268	256.217	256.262	256.145	256.125	256.051	256.183	256.107	256.066	14
15	256.033	256.020	256.049	256.330	256.216	256.263	256.135	256.122	256.050	256.182	256.101	256.069	15
16	256.033	256.022	256.049	256.297	256.217	256.263	256.126	256.118	256.047	256.180	256.095	256.067	16
17	256.032	256.023	256.049	256.284	256.220	256.257	256.143	256.111	256.044	256.175	256.091	256.066	17
18	256.031	256.023	256.051	256.279	256.244	256.246	256.145	256.116	256.042	256.173	256.087	256.067	18
19	256.030	256.024	256.053	256.279	256.284	256.241	256.132	256.116	256.040	256.170	256.088	256.067	19
20	256.029	256.026	256.055	256.280	256.284	256.238	256.121	256.112	256.040	256.167	256.098	256.068	20
21	256.028	256.027	256.054	256.280	256.270	256.239	256.115	256.103	256.039	256.168	256.102	256.067	21
22	256.027	256.028	256.054	256.280	256.252	256.235	256.109	256.101	256.040	256.168	256.101	256.068	22
23	256.026	256.029	256.055	256.280	256.237	256.224	256.119	256.104	256.039	256.167	256.098	256.067	23
24	256.026	256.031	256.055	256.281	256.228	256.213	256.264	256.112	256.038	256.166	256.094	256.069	24
25	256.026	256.034	256.054	256.284	256.221	256.206	256.244	256.115	256.038	256.167	256.092	256.069	25
26	256.025	256.036	256.054	256.285	256.217	256.195	256.211	256.114	256.038	256.168	256.090	256.068	26
27	256.024	256.038	256.055	256.286	256.214	256.185	256.192	256.113	256.041	256.168	256.085	256.067	27
28	256.023	256.040	256.058	256.287	256.210	256.174	256.169	256.108	256.051	256.177	256.084	256.066	28
29	256.023		256.077	256.284	256.204	256.153	256.167	256.102	256.049	256.180	256.085	256.066	29
30	256.021		256.126	256.279	256.199	256.142	256.162	256.099	256.054	256.181	256.080	256.065	30
31	256.021		256.177		256.193		256.154	256.097		256.180		256.062	31
MEAN	256.033	256.023	256.057	256.209	256.232	256.216	256.158	256.120	256.055	256.148	256.113	256.077	MEAN
MAX	256.045	256.040	256.177	256.330	256.284	256.263	256.264	256.145	256.094	256.185	256.176	256.122	MAX
MIN	256.021	256.013	256.041	256.077	256.193	256.142	256.109	256.097	256.038	256.057	256.080	256.062	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 256.120
MAXIMUM DAILY, 256.330 ON APR 15
MINIMUM DAILY, 256.013 ON FEB 9
MAXIMUM INSTANTANEOUS,
256.344 AT 13:56 CST ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 06 N
LONG 96 56 13 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

STEEPROCK RIVER NEAR MAPEKING - STATION NO. 05LF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.652B	0.510B	3.00	13.9	1.38	2.64	1.75	3.15	---	---	1
2	---	---	0.647B	0.510B	2.94	9.45	1.49	2.79	1.89	2.70	---	---	2
3	---	---	0.643B	0.510B	2.73	7.02	1.81	3.33	1.74	2.48	---	---	3
4	---	---	0.638B	0.510B	2.65	5.77	1.79	3.22	1.60	4.73	---	---	4
5	---	---	0.633B	0.510B	2.37	5.29	1.61	2.82	1.49	3.61 E	---	---	5
6	---	---	0.629B	0.510B	2.05	5.02	1.88	2.51	1.47	2.96 E	---	---	6
7	---	---	0.624B	0.510B	1.93	4.21	4.86	2.50	1.42	2.55 E	---	---	7
8	---	---	0.620B	0.510B	1.78	3.64	3.57	3.29	1.34	2.29 E	---	---	8
9	---	---	0.615B	0.510B	1.70	3.24	2.74	3.20	1.27	2.05 E	---	---	9
10	---	---	0.611B	0.510B	1.73	2.89	2.30	2.90	1.20	1.87 E	---	---	10
11	---	---	0.606B	0.514B	1.70	2.59	1.98	2.62	1.23	1.70 E	---	---	11
12	---	---	0.601B	0.672B	1.71	2.41	1.89	2.37	1.19	1.61 E	---	---	12
13	---	---	0.597B	0.840B	1.71	2.34	1.67	2.51	1.11	1.53 E	---	---	13
14	---	---	0.592B	1.01 B	1.96	2.23	1.53	2.29	1.08	1.45 A	---	---	14
15	---	---	0.588B	0.966B	1.90	2.05	1.50	2.16	1.05	1.35	---	---	15
16	---	---	0.583B	0.903B	1.98	1.99	1.53	2.00	1.04	1.28	---	---	16
17	---	---	0.579B	0.840E	2.34	1.96	27.1	1.90	1.06	1.28	---	---	17
18	---	---	0.574B	0.948E	2.76	1.88	30.3	1.88	1.00	1.31	---	---	18
19	---	---	0.569B	1.07 E	3.07	2.87	14.0	1.91	0.952	1.21	---	---	19
20	---	---	0.565B	1.20 A	2.81	3.59	10.1	1.74	0.957	1.15	---	---	20
21	---	---	0.560B	1.91 E	2.66	2.89	7.08	1.64	0.938	1.10	---	---	21
22	---	---	0.556B	2.79 E	2.55	2.51	5.51	1.60	0.922	1.07	---	---	22
23	---	---	0.551B	3.95	2.36	2.33	4.56	1.53	0.893	1.11	---	---	23
24	---	---	0.547B	3.73	2.14	2.43	3.77	1.49	0.875	1.12	---	---	24
25	---	---	0.542B	2.95	1.98	2.20	3.27	1.58	0.872	1.08	---	---	25
26	---	---	0.537B	2.52	1.84	2.03	2.96	1.46	0.854	1.05	---	---	26
27	---	---	0.533B	2.73	1.80	1.85	2.80	1.38	0.833	1.04	---	---	27
28	---	---	0.528B	3.13	7.58	1.70	2.74	1.31	1.48	0.997	---	---	28
29	---		0.524B	3.62	12.8	1.59	2.72	1.26	6.27	0.976	---	---	29
30	---		0.519B	3.43	19.0	1.48	2.63	1.31	3.98	0.930	---	---	30
31	---		0.515B		14.8		2.60	1.72		0.906		---	31
TOTAL	---	---	18.078	44.843	114.33	105.35	155.67	66.78	43.756	53.639	---	---	TOTAL
MEAN	---	---	0.583	1.49	3.69	3.51	5.02	2.15	1.46	1.73	---	---	MEAN
MAX	---	---	0.652	3.95	19.0	13.9	30.3	3.33	6.27	4.73	---	---	MAX
MIN	---	---	0.515	0.510	1.70	1.48	1.38	1.26	0.833	0.906	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.46
MAXIMUM DAILY, 30.3 ON JUL 18
MINIMUM DAILY, 0.510B ON APR 1
MAXIMUM INSTANTANEOUS,
67.3 AT 18:52 CST ON JUL 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 43 40 N
LONG 101 06 45 W
DRAINAGE AREA, 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1958

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	13 400
FEB	---	AUG	5 770
MAR	1 560	SEP	3 780
APR	3 870	OCT	4 630
MAY	9 880	NOV	---
JUN	9 100	DEC	---

TOTAL DISCHARGE, 52 000 dam³

STEPHENFIELD RESERVOIR NEAR STEPHENFIELD - STATION NO. 05OF008

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	295.565	295.602	295.467	295.283	295.209	295.040	295.269	295.241	1
2	---	---	---	---	295.592	295.602	295.413	295.290	295.212	295.048	295.270	295.254	2
3	---	---	---	---	295.617	295.603	295.365	295.292	295.206	295.055	295.272	295.274	3
4	---	---	---	---	295.623	295.600	295.310	295.287	295.202	295.060	295.270	295.285	4
5	---	---	---	---	295.620	295.596	295.277	295.281	295.195	295.055	295.271	295.298	5
6	---	---	---	---	295.616	295.600	295.279	295.286	295.190	295.054	295.275	295.300	6
7	---	---	---	---	295.609	295.641	295.273	295.288	295.196	295.065	295.283	295.299	7
8	---	---	294.685A	295.644A	295.604	295.678	295.269	295.277	295.198	295.071	295.285	295.291	8
9	---	---	---	295.636	295.603	295.704	295.267	295.271	295.194	295.076	295.289	295.291	9
10	---	---	---	295.626	295.605	295.713	295.268	295.265	295.181	295.101	295.294	295.283	10
11	---	---	---	295.624	295.616	295.710	295.273	295.260	295.168	295.128	295.299	295.277	11
12	---	---	---	295.721	295.623	295.702	295.274	295.260	295.149	295.148	295.301	295.274	12
13	---	---	---	295.849	295.635	295.695	295.283	295.262	295.135	295.166	295.301	295.266	13
14	---	---	---	295.846	295.637	295.695	295.295	295.260	295.114	295.179	295.304	295.262	14
15	---	---	---	295.845	295.645	295.688	295.299	295.265	295.099	295.184	295.312	295.255	15
16	---	---	---	295.818	295.664	295.682	295.306	295.259	295.084	295.187	295.314	295.245	16
17	---	---	---	295.771	295.690	295.673	295.332	295.257	295.067	295.198	295.315	295.244	17
18	---	---	---	295.756	295.714	295.670	295.326	295.258	295.050	295.203	295.320	295.233	18
19	---	---	---	295.753	295.730	295.669	295.326	295.256	295.027	295.203	295.308	295.225	19
20	---	---	---	295.740	295.728	295.667	295.326	295.249	295.008	295.206	295.308	295.217	20
21	---	---	---	295.733	295.718	295.665	295.323	295.247	294.994	295.213	295.301	295.210	21
22	---	---	---	295.712	295.706	295.663	295.318	295.252	294.984	295.219	295.292	295.204	22
23	---	---	---	295.696	295.696	295.664	295.332	295.250	294.981	295.226	295.289	295.200	23
24	---	---	---	295.685	295.689	295.660	295.337	295.248	294.977	295.231	295.285	295.189	24
25	---	---	294.749A	295.665	295.684	295.655	295.322	295.236	294.972	295.232	295.276	295.181	25
26	---	---	---	295.646	295.676	295.653	295.320	295.229	294.971	295.233	295.267	295.177	26
27	---	---	---	295.616	295.675	295.645	295.314	295.222	294.973	295.237	295.264	295.168	27
28	---	---	---	295.580	295.661	295.630	295.317	295.220	295.017	295.243	295.259	295.157	28
29	---		---	295.551	295.649	295.579	295.310	295.220	295.039	295.258	295.252	295.149	29
30	---		---	295.546	295.633	295.523	295.315	295.211	295.042	295.264	295.244	295.140A	30
31	---		---		295.619		295.312	295.212		295.266		295.129	31
MEAN	---	---	---	---	295.650	295.651	295.314	295.257	295.094	295.163	295.286	295.233	MEAN
MAX	---	---	---	---	295.730	295.713	295.467	295.293	295.212	295.266	295.320	295.300	MAX
MIN	---	---	---	---	295.565	295.523	295.267	295.211	294.971	295.040	295.244	295.129	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 37 N
LONG 98 16 49 W

MAXIMUM DAILY, 295.849 ON APR 13

MAXIMUM INSTANTANEOUS,
295.854 AT 14:40 CST ON APR 13

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

STONY CREEK NEAR BROOMHILL - STATION NO. 05NG019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0	0	0	0	0	0	---	---	2
3	---	---	0B	0 B	0	0	0	0	0	0	---	---	3
4	---	---	0B	0 B	0	0	0	0	0	0	---	---	4
5	---	---	0B	0 B	0	0	0	0	0	0	---	---	5
6	---	---	0B	0 B	0	0	0	0	0	0	---	---	6
7	---	---	0B	0 B	0	0	0	0	0	0	---	---	7
8	---	---	0B	0 B	0	0	0	0	0	0	---	---	8
9	---	---	0B	0 B	0	0	0	0	0	0	---	---	9
10	---	---	0B	0 B	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.001B	0	0	0	0	0	0	---	---	11
12	---	---	0B	0.070B	0	0	0	0	0	0	---	---	12
13	---	---	0B	1.34 A	0	0	0	0	0	0	---	---	13
14	---	---	0B	1.31	0	0	0	0	0	0	---	---	14
15	---	---	0B	3.13	0	0	0	0	0	0	---	---	15
16	---	---	0B	2.45	0	0	0	0	0	0	---	---	16
17	---	---	0B	2.29	0	0	0	0	0	0	---	---	17
18	---	---	0B	1.67	0	0	0	0	0	0	---	---	18
19	---	---	0B	1.16	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.770	0	0	0	0	0	0	---	---	20
21	---	---	0B	0.516	0	0	0	0	0	0	---	---	21
22	---	---	0B	0.388A	0	0	0	0	0	0	---	---	22
23	---	---	0B	0.227E	0	0	0	0	0	0	---	---	23
24	---	---	0B	0.158E	0	0	0	0	0	0	---	---	24
25	---	---	0B	0.109E	0	0	0	0	0	0	---	---	25
26	---	---	0B	0.074E	0	0	0	0	0	0	---	---	26
27	---	---	0B	0.047E	0	0	0	0	0	0	---	---	27
28	---	---	0B	0.028E	0	0	0	0	0	0	---	---	28
29	---		0B	0.011E	0	0	0	0	0	0	---	---	29
30	---		0B	0.001E	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	15.750	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.525	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	3.13	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.064
MAXIMUM DAILY, 3.13 ON APR 15
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.43 AT 05:43 CST ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 52 W
LONG 101 05 54 W
DRAINAGE AREA, 474 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	1 360	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 360 dam³

STURGEON CREEK AT ST. JAMES - STATION NO. 05MJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	4.36 B	0.441	0.052	0	0.123	0.006	0.052	---	---	1
2	---	---	0 B	4.56 B	0.493	0	0.135	0.146	0.021	0.060	---	---	2
3	---	---	0 B	0.648B	0.474	0	0.132	0.069	0.001	0.046	---	---	3
4	---	---	0 B	0.268B	0.449	0	0.136	0.046	0.001	0.059	---	---	4
5	---	---	0 B	1.80 B	0.412	0	0.317	0.010	0	0.035	---	---	5
6	---	---	0 B	0.968B	0.429	0.290	0.238	0.005	0	0.147	---	---	6
7	---	---	0 B	0.938B	0.371	0.122	0.250	0.013	0.019	0.093	---	---	7
8	---	---	0 B	1.77 B	0.360	0.045	0.240	0.074	0.035	0.076	---	---	8
9	---	---	0 B	2.99 B	0.382	0.032	0.207	0.006	0.032	0.114	---	---	9
10	---	---	0 B	3.57 B	0.402	0.044	0.128	0	0.029	0.207	---	---	10
11	---	---	0 B	4.70 B	0.386	0	0.084	0	0.009	0.206	---	---	11
12	---	---	0 B	10.4 B	0.337	0	0.004	0	0	0.176	---	---	12
13	---	---	0 B	15.6 B	0.236	0	0.086	0	0.001	0.203	---	---	13
14	---	---	0 B	13.2 B	0.236	0	0.052	0.014	0.009	0.235	---	---	14
15	---	---	0.001B	8.54	0.259	0	0.028	0.103	0.015	0.196	---	---	15
16	---	---	0.004B	6.38	0.088	0	0.236	0	0.013	0.165	---	---	16
17	---	---	0.020B	9.01	0.136	0	0.185	0.001	0.022	0.139	---	---	17
18	---	---	0.050B	4.61	0.096	0	0.097	0.153	0.003	0.110	---	---	18
19	---	---	0.080B	2.27	0.068	0.059	0.086	0.010	0	0.100	---	---	19
20	---	---	0.110B	1.79	0.018	0.059	0.078	0	0	0.087	---	---	20
21	---	---	0.165B	1.08	0.013	0	0.023	0	0	0.090	---	---	21
22	---	---	0.180B	0.878	0.040	0	0	0.027	0	0.090	---	---	22
23	---	---	0.274B	0.594	0.049	0	0.055	0.037	0.003	0.086	---	---	23
24	---	---	0.384B	0.625	0.002	0	0.055	0	0.005	0.078	---	---	24
25	---	---	0.529B	0.529	0.004	0	0.017	0	0.003	0.068	---	---	25
26	---	---	0.692B	0.517	0	0	0.001	0	0	0.048	---	---	26
27	---	---	0.858B	0.412	0.001	0	0	0.002	0.079	0.053	---	---	27
28	---	---	1.04 B	0.212	0.023	0	0.338	0.036	0.157	0.054	---	---	28
29	---		1.38 B	0.021	0.002	0	0.164	0.042	0.067	0.049	---	---	29
30	---		1.69 B	0.035	0.001	0	0.154	0.001	0.047	0.045	---	---	30
31	---		2.20 B		0.022		0.136	0.001		0.044		---	31
TOTAL	---	---	9.637	101.275	6.230	0.703	3.662	0.919	0.577	3.211	---	---	TOTAL
MEAN	---	---	0.311	3.38	0.201	0.023	0.118	0.030	0.019	0.104	---	---	MEAN
MAX	---	---	2.20	15.6	0.493	0.290	0.338	0.153	0.157	0.235	---	---	MAX
MIN	---	---	0	0.021	0	0	0	0	0	0.035	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.515
MAXIMUM DAILY, 15.6B ON APR 13
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 52 N
LONG 97 16 43 W
DRAINAGE AREA, 572 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	316
FEB	---	AUG	79.4
MAR	833	SEP	49.9
APR	8 750	OCT	277
MAY	538	NOV	---
JUN	60.7	DEC	---

TOTAL DISCHARGE, 10 900 dam³

STURGEON CREEK NEAR PERIMETER HIGHWAY - STATION NO. 05MJ011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.33 B	0.010	0.036	0	0.019	0.047	0.003	---	---	1
2	---	---	0 B	1.26 B	0.013	0.024	0	0.044	0.043	0.007	---	---	2
3	---	---	0 B	1.18 B	0.016	0.029	0.069	0.020	0.025	0.002	---	---	3
4	---	---	0 B	1.10 B	0.006	0.029	0.030	0.003	0.036	0.018	---	---	4
5	---	---	0 B	2.11 B	0.003	0.024	0.150	0.001	0.028	0.021	---	---	5
6	---	---	0 B	3.12 B	0.003	0.058	0.195	0	0.030	0.194	---	---	6
7	---	---	0 B	4.13 B	0.002	0.019	0.184	0	0.049	0.163	---	---	7
8	---	---	0 B	5.14 B	0.005	0.005	0.131	0	0.041	0.137	---	---	8
9	---	---	0 B	6.16 B	0.023	0.001	0.022	0	0.029	0.118	---	---	9
10	---	---	0 B	7.17 B	0.069	0.001	0.001	0	0.025	0.190	---	---	10
11	---	---	0 B	8.18 B	0.118	0.007	0.003	0	0.025	0.342	---	---	11
12	---	---	0 B	9.19 B	0.140	0.003	0.044	0	0.023	0.277	---	---	12
13	---	---	0 B	10.2 B	0.150	0.001	0.054	0	0.027	0.309	---	---	13
14	---	---	0 B	8.35 B	0.142	0	0.053	0	0.014	0.348	---	---	14
15	---	---	0 B	5.56 B	0.141	0	0.052	0	0.002	0.271	---	---	15
16	---	---	0 B	4.03	0.136	0	0.053	0	0.001	0.180	---	---	16
17	---	---	0 B	4.78	0.142	0	0.081	0	0.006	0.116	---	---	17
18	---	---	0 B	2.80	0.136	0	0.069	0	0.005	0.045	---	---	18
19	---	---	0 B	1.82	0.156	0.001	0.055	0	0.014	0.008	---	---	19
20	---	---	0 B	1.51	0.151	0.006	0.050	0	0.006	0.006	---	---	20
21	---	---	0 B	1.03	0.141	0.002	0.024	0	0.007	0.008	---	---	21
22	---	---	0 B	0.777	0.123	0.001	0.001	0	0.011	0.006	---	---	22
23	---	---	0 B	0.515	0.112	0	0.001	0.033	0.039	0.003	---	---	23
24	---	---	0 B	0.449	0.113	0	0	0.013	0.034	0.001	---	---	24
25	---	---	0 B	0.302	0.103	0	0	0.003	0.032	0.001	---	---	25
26	---	---	0 B	0.216	0.105	0	0	0.098	0.042	0.042	---	---	26
27	---	---	2.60 B	0.108	0.110	0	0	0.091	0.054	0.082	---	---	27
28	---	---	5.20 B	0.029	0.110	0	0.011	0.079	0.133	0.101	---	---	28
29	---		5.07 B	0.019	0.105	0	0.116	0.062	0.138	0.097	---	---	29
30	---		4.69 B	0	0.099	0	0.081	0.048	0.044	0.077	---	---	30
31	---		4.44 B		0.086		0.049	0.048		0.077		---	31
TOTAL	---	---	22.00	92.565	2.769	0.247	1.579	0.562	1.010	3.250	---	---	TOTAL
MEAN	---	---	0.710	3.09	0.089	0.008	0.051	0.018	0.034	0.105	---	---	MEAN
MAX	---	---	5.20	10.2	0.156	0.058	0.195	0.098	0.138	0.348	---	---	MAX
MIN	---	---	0	0	0.002	0	0	0	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.586
MAXIMUM DAILY, 10.2B ON APR 13
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 20 N
LONG 97 20 40 W
DRAINAGE AREA, 541 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	136
FEB	---	AUG	48.6
MAR	1 980	SEP	87.3
APR	8 000	OCT	281
MAY	239	NOV	---
JUN	21.3	DEC	---

TOTAL DISCHARGE, 10 700 dam³

SWAN (PEMBINA) LAKE NEAR SWAN LAKE - STATION NO. 05OB018

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.807	1.918E	1.407	1.493	1.163	0.775	0.589	---	---	1
2	---	---	---	0.857	1.890E	1.399	1.489	1.153	0.759	0.588	---	---	2
3	---	---	---	0.891	1.866E	1.378	1.482	1.138	0.757	0.585	---	---	3
4	---	---	---	0.914	1.845E	1.361	1.478	1.121	0.742	0.571	---	---	4
5	---	---	---	0.935	1.826A	1.344	1.483	1.108	0.738	0.572	---	---	5
6	---	---	---	0.952	1.787	1.340	1.470	1.115	0.734	0.570	---	---	6
7	---	---	---	0.973	1.767	1.365	1.459	1.089	0.727	0.579	---	---	7
8	---	---	---	1.012	1.757	1.425	1.460	1.069	0.720	0.581	---	---	8
9	---	---	---	1.060	1.741	1.461	1.457	1.061	0.712	0.575	---	---	9
10	---	---	---	1.111	1.721	1.477	1.453	1.048	0.704	0.583	---	---	10
11	---	---	---	1.162	1.705	1.489	1.444	1.036	0.676	0.593	---	---	11
12	---	---	---	1.223	1.688	1.498	1.435	1.024	0.678	0.600	---	---	12
13	---	---	---	1.298	1.671	1.510	1.434	1.012	0.657	0.598	---	---	13
14	---	---	---	1.382	1.650	1.519	1.430	1.000	0.646	0.596	---	---	14
15	---	---	---	1.478	1.635	1.521	1.423	0.989	0.643	0.597	---	---	15
16	---	---	---	1.579	1.623	1.524	1.414	0.979	0.635	0.599	---	---	16
17	---	---	---	1.652	1.612	1.524	1.405	0.968	0.624	0.597	---	---	17
18	---	---	---	1.718	1.601	1.526	1.380	0.958	0.611	0.592	---	---	18
19	---	---	---	1.768	1.587	1.524	1.362	0.946	0.601	0.588	---	---	19
20	---	---	---	1.812	1.577	1.528	1.342	0.933	0.602	0.584	---	---	20
21	---	---	---	1.850	1.561	1.529	1.322	0.923	0.595	0.585	---	---	21
22	---	---	---	1.880	1.542	1.529	1.305	0.913	0.586	0.584	---	---	22
23	---	---	---	1.908	1.531	1.528	1.296	0.900	0.572	0.584	---	---	23
24	---	---	0.715A	1.922	1.514	1.517	1.277	0.880	0.570	0.580	---	---	24
25	---	---	0.711	1.927	1.503	1.520	1.261	0.864	0.569	0.580	---	---	25
26	---	---	0.714	1.938	1.494	1.514	1.247	0.849	0.557	0.579	---	---	26
27	---	---	0.717	1.945	1.484	1.508	1.235	0.838	0.557	0.578	---	---	27
28	---	---	0.716	1.948	1.467	1.508	1.217	0.828	0.600	0.582	---	---	28
29	---		0.720	1.947A	1.455	1.506	1.193	0.806	0.588	0.586A	---	---	29
30	---		0.738	1.940E	1.438	1.501	1.189	0.802	0.583	0.584E	---	---	30
31	---		0.769		1.418		1.173	0.788		0.580E		---	31
MEAN	---	---	---	1.460	1.641	1.476	1.371	0.977	0.651	0.585	---	---	MEAN
MAX	---	---	---	1.948	1.918	1.539	1.493	1.163	0.775	0.600	---	---	MAX
MIN	---	---	---	0.807	1.418	1.340	1.173	0.788	0.557	0.570	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 1.948 ON APR 28
MINIMUM DAILY, 0.557 ON SEP 26
MAXIMUM INSTANTANEOUS,
1.951 AT 00:16 CST ON APR 28

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 20 N
LONG 98 54 00 W

A - MANUAL GAUGE
E - ESTIMATED

SWAN LAKE NEAR NOVRA - STATION NO. 05LE007

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	258.818A	258.650	---	258.740	---	258.857	258.767	---	---	1
2	---	---	---	---	258.662	---	258.765	---	258.850	258.764	---	---	2
3	---	---	---	---	258.668	---	258.774	---	258.863	258.771	---	---	3
4	---	---	---	---	258.680	---	258.729	---	258.816	258.744	---	---	4
5	---	---	---	---	258.674	---	258.706	259.025A	258.847	258.771	---	---	5
6	---	---	---	---	258.655	---	258.697	259.029	258.868	258.777	---	---	6
7	---	---	---	---	258.618	---	258.689	258.908	258.841	258.772	---	---	7
8	---	---	---	---	258.708	258.765A	258.701	258.950	258.840	258.777	---	---	8
9	---	---	---	---	258.703	258.700	258.707	259.003	258.819	258.756	---	---	9
10	---	---	---	---	258.696	258.718	258.701	259.005	258.819	258.743	---	---	10
11	---	---	---	---	258.709A	258.709	258.694	259.022	258.800	258.757	---	---	11
12	---	---	---	---	---	258.726	258.724A	259.003	258.798	258.777	---	---	12
13	---	---	---	---	---	258.733	258.726	258.981	258.764	258.780	---	---	13
14	---	---	---	---	---	258.731	258.734	258.981	258.797	258.765	---	---	14
15	---	---	---	---	---	258.737	258.701	258.952	258.783	258.747	---	---	15
16	---	---	---	---	---	258.726	258.696	258.961	258.767	258.813	---	---	16
17	---	---	---	---	---	258.711	258.682	258.967	258.776	258.793	---	---	17
18	---	---	---	---	---	258.716	---	258.935	258.711	258.746	---	---	18
19	---	---	---	---	---	258.713	---	258.915	258.743	258.753	---	---	19
20	---	---	---	258.352A	---	258.718	---	258.924	258.762	258.766	---	---	20
21	---	---	---	---	---	258.750	---	258.913	258.761	258.772	---	---	21
22	---	---	---	---	---	258.748	---	258.894	258.754	258.776	---	---	22
23	---	---	---	---	---	258.680	---	258.895	258.711	258.782	---	---	23
24	---	---	---	---	---	258.691	---	258.862	258.753	258.768	---	---	24
25	---	---	---	---	---	258.708	---	258.837	258.742	258.764A	---	---	25
26	---	---	---	---	---	258.695	---	258.828	258.702	---	---	---	26
27	---	---	---	---	258.684A	258.687	---	258.859	258.757	---	---	---	27
28	---	---	---	---	---	258.700	---	258.901	258.772	---	---	---	28
29	---		---	258.626A	---	258.688	---	258.826	258.721	---	---	---	29
30	---		---	258.639	---	258.701	---	258.859	258.726	---	---	---	30
31	---		---		---		---	258.878		---		---	31
MEAN	---	---	---	---	---	---	---	---	258.784	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	258.868	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	258.702	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 259.029 ON AUG 6

MAXIMUM INSTANTANEOUS,
259.084 AT 14:42 CST ON AUG 11

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 32 00 N
LONG 100 52 00 W

A - MANUAL GAUGE

DRAINAGE AREA,
9 760 km²

SWAN RIVER NEAR MINITONAS - STATION NO. 05LE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.406B	0.066B	0.224B	0.401B	11.7	3.54	1.20	7.51	1.47	0.893	2.03	0.569B	1
2	0.366B	0.067B	0.227B	0.406B	10.9	3.29	1.70	6.88	1.41	0.840	2.16	0.602B	2
3	0.326B	0.068B	0.230B	0.411B	10.0	3.33	3.21	6.26	1.26	0.797	1.45 B	0.684B	3
4	0.286B	0.069B	0.237B	0.416B	8.84	3.51	2.41	5.72	1.20	2.07	2.11 B	0.733B	4
5	0.244B	0.070B	0.241B	0.426B	8.03	4.09	1.49	5.18	1.05	2.44	1.61 B	0.799B	5
6	0.212B	0.071B	0.248B	0.445B	7.63	4.33	1.18	5.20	1.12	2.65	1.20 B	0.800B	6
7	0.179B	0.072B	0.255B	0.471B	6.77	4.36	1.11	5.21	1.60	2.68	1.72 B	0.682B	7
8	0.160B	0.074B	0.258B	0.525B	6.01	4.18	0.968	4.89	1.66	2.83	1.44 B	0.609B	8
9	0.147B	0.076B	0.262B	0.554B	5.07	3.95	0.888	4.34	1.49	3.03	1.10 B	0.543B	9
10	0.132B	0.078B	0.269B	0.769B	4.69	4.11	1.02	3.89	1.35	3.02	1.01 B	0.543B	10
11	0.125B	0.080B	0.272B	1.00 B	4.49	4.60	1.30	3.64	1.25	2.94	0.826B	0.525B	11
12	0.112B	0.082B	0.279B	1.27 B	4.16	4.12	1.22	3.54	1.08	2.92	0.783B	0.580B	12
13	0.104B	0.084B	0.286B	1.58 B	3.76	3.72	1.03	3.33	0.984	2.91	0.895B	0.558B	13
14	0.097B	0.090B	0.293B	1.99 B	3.54	3.37	0.917	3.06	0.916	2.85	0.870B	0.563B	14
15	0.093B	0.099B	0.297B	2.39 B	3.38	3.07	0.827	2.76	0.901	2.82	0.980B	0.602B	15
16	0.089B	0.119B	0.300B	2.94 B	3.30	2.92	0.795	2.54	0.894	3.06	1.18 B	0.604B	16
17	0.084B	0.137B	0.304B	3.51 B	3.29	2.75	3.96	2.43	0.939	3.02	1.04 B	0.600B	17
18	0.081B	0.151B	0.309B	4.31 B	3.40	2.55	10.2	2.40	1.08	2.96	1.05 B	1.63 B	18
19	0.079B	0.163B	0.313B	5.60 B	3.64	2.43	15.0	2.33	0.943	2.77	0.992B	2.20 B	19
20	0.077B	0.173B	0.322B	7.34 B	3.43	2.21	9.91	2.16	0.803	2.62	0.979B	1.72 B	20
21	0.074B	0.176B	0.330B	8.21 B	3.37	2.07	13.8	2.03	0.707	2.56	0.940B	1.40 B	21
22	0.072B	0.182B	0.339B	9.05 B	3.43	1.92	18.4	1.91	0.627	2.52	0.730B	1.27 B	22
23	0.070B	0.188B	0.343B	10.0 B	3.31	1.90	22.0	1.83	0.574	2.52	0.652B	1.24 B	23
24	0.069B	0.194B	0.347B	11.1 B	3.31	1.94	23.4	1.77	0.512	2.49	0.567B	1.28 B	24
25	0.068B	0.197B	0.352B	12.0 B	3.44	2.08	22.5	1.70	0.469	2.48	0.437B	1.31 B	25
26	0.067B	0.203B	0.360B	13.0 B	3.53	1.86	20.0	1.56	0.574	2.43	0.428B	1.29 B	26
27	0.066B	0.209B	0.369B	14.2 B	3.67	1.70	16.3	1.47	0.647	2.34	0.498B	1.23 B	27
28	0.065B	0.212B	0.373B	15.1 B	3.58	1.51	13.5	1.39	0.789	2.26	0.557B	1.20 B	28
29	0.065B		0.382B	14.1 B	3.67	1.33	11.3	1.30	1.46	2.25	0.609B	1.20 B	29
30	0.065B		0.386B	12.7	3.76	1.24	9.48	1.26	1.11	2.18	0.498B	1.19 B	30
31	0.066B		0.391B		3.92		8.21	1.47		2.05		1.14 B	31
TOTAL	4.146	3.450	9.398	156.214	155.02	87.98	247.225	100.96	30.869	76.200	31.341	29.896	TOTAL
MEAN	0.134	0.123	0.303	5.21	5.00	2.93	7.98	3.26	1.03	2.46	1.04	0.964	MEAN
MAX	0.406	0.212	0.391	15.1	11.7	4.60	23.4	7.51	1.66	3.06	2.16	2.20	MAX
MIN	0.065	0.066	0.224	0.401	3.29	1.24	0.795	1.26	0.469	0.797	0.428	0.525	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.56
MAXIMUM DAILY, 23.4 ON JUL 24
MINIMUM DAILY, 0.065B ON JAN 28
MAXIMUM INSTANTANEOUS,
23.9 AT 12:56 CST ON JUL 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 11 47 N
LONG 101 03 37 W
DRAINAGE AREA, 4 220 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	358	JUL 21 400	
FEB	298	AUG 8 720	
MAR	812	SEP 2 670	
APR	13 500	OCT 6 580	
MAY	13 400	NOV 2 710	
JUN	7 600	DEC 2 580	

TOTAL DISCHARGE, 80 600 dam³

TAYLOR RIVER NEAR THOMPSON - STATION NO. 05TG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.806B	0.563B	0.456B	0.400B	24.9	17.2 E	5.67	1.52E	3.26A	3.67	4.75	2.14B	1
2	0.793B	0.558B	0.451B	0.400B	29.4	18.0 E	5.02	1.54E	3.40	4.04	4.49	2.12B	2
3	0.776B	0.553B	0.451B	0.400B	31.6	18.0 E	4.39	1.55E	3.57	4.42	4.16	2.10B	3
4	0.759B	0.544B	0.447B	0.400B	33.9	17.8 E	4.10	1.59E	3.73	4.48	4.11	2.08B	4
5	0.748B	0.539B	0.447B	0.396B	35.9	16.9 E	3.82	1.67E	3.75	4.45	3.92	2.06B	5
6	0.742B	0.535B	0.442B	0.396B	35.4	15.9 E	3.44	1.98E	3.59	4.39	3.88	2.04B	6
7	0.736B	0.530B	0.442B	0.396B	33.9	15.2 E	3.23	2.18E	3.60	4.39	3.84	2.02B	7
8	0.731B	0.526B	0.437B	0.391B	32.5	13.8 E	3.05	2.52E	3.61	4.38	3.75	2.01B	8
9	0.725B	0.521B	0.433B	0.391B	31.2	13.3 E	2.75	2.85E	3.60	4.36	3.63	2.00B	9
10	0.725B	0.521B	0.433B	0.391B	30.2	12.5 E	2.46	2.96E	3.39	4.32	3.53	1.98B	10
11	0.719B	0.516B	0.437B	0.391B	29.1	11.9 E	2.24	2.91E	3.85	4.22	3.37A	1.97B	11
12	0.714B	0.512B	0.437B	0.391B	28.0	11.2 E	2.18	2.80E	4.48	4.17	3.24E	1.95B	12
13	0.702B	0.512B	0.442B	0.386B	27.1	10.6 E	2.11	2.80E	4.45	4.21	3.18E	1.93B	13
14	0.691B	0.507B	0.442B	0.386B	26.2	10.3 E	2.06	2.85E	4.09	4.25	3.07E	1.92B	14
15	0.680B	0.502B	0.442B	0.386B	25.3	9.94E	2.00	3.02E	3.88	4.19	2.96B	1.90B	15
16	0.668B	0.498B	0.442B	0.386B	24.1	9.30E	1.94	3.24E	3.77	3.95	2.85B	1.88B	16
17	0.663B	0.498B	0.447B	0.386B	23.2	9.06A	1.94	3.56E	3.63	3.72	2.80B	1.87B	17
18	0.651B	0.493B	0.447B	0.386B	22.3	8.80	2.01	4.04E	3.48	3.80	2.74B	1.86B	18
19	0.640B	0.488B	0.437B	0.382B	21.3	8.41	1.86	4.44E	3.55	3.78	2.69B	1.84B	19
20	0.634B	0.484B	0.428B	0.382B	20.5	8.35	1.87	4.68E	3.48	3.83	2.58B	1.83B	20
21	0.629B	0.479B	0.424B	0.419B	19.6	8.14	1.93	4.76E	3.41	3.84	2.52B	1.82B	21
22	0.618B	0.475B	0.424B	0.484B	18.6	7.80	1.82	4.76E	3.33	3.68	2.47B	1.80B	22
23	0.614B	0.475B	0.419B	0.586B	17.6	7.67	1.74	4.68E	3.17	3.64	2.41B	1.79B	23
24	0.609B	0.470B	0.414B	0.736B	16.5	8.68	1.71	4.60E	2.99	3.68	2.30B	1.78B	24
25	0.604B	0.465B	0.410B	0.999B	15.6	9.13	1.69	4.44E	2.87	3.71	2.28B	1.78B	25
26	0.595B	0.461B	0.410B	1.46 B	14.9	8.90	1.70	4.20E	2.79	3.73	2.26B	1.77B	26
27	0.586B	0.456B	0.410B	2.19 B	13.9	8.21	1.66	4.04E	2.61	3.76	2.22B	1.76B	27
28	0.581B	0.456B	0.405B	4.99	11.7E	7.40	1.58	3.72E	2.35	3.82	2.20B	1.75B	28
29	0.577B		0.405B	16.0	11.9E	6.78	1.54	3.56E	2.53	4.43	2.18B	1.75B	29
30	0.572B		0.405B	21.2	12.9E	6.26	1.51A	3.40E	3.15	5.02	2.16B	1.74B	30
31	0.567B		0.400B		14.8E		1.52E	3.29E		5.83		1.73B	31
TOTAL	20.855	14.137	13.366	56.887	734.0	335.43	76.52	100.11	103.36	127.36	92.54	58.97	TOTAL
MEAN	0.673	0.505	0.431	1.90	23.7	11.2	2.47	3.23	3.45	4.11	3.08	1.90	MEAN
MAX	0.806	0.563	0.456	21.2	35.9	18.0	5.67	4.76	4.48	5.83	4.75	2.14	MAX
MIN	0.567	0.456	0.400	0.382	11.7	6.26	1.51	1.52	2.35	3.64	2.16	1.73	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.75
MAXIMUM DAILY, 35.9 ON MAY 5
MINIMUM DAILY, 0.382B ON APR 19
MAXIMUM INSTANTANEOUS,
36.1 AT 18:25 CST ON MAY 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 29 20 N
LONG 98 11 10 W
DRAINAGE AREA, 883 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 800	JUL	6 610
FEB	1 220	AUG	8 650
MAR	1 150	SEP	8 930
APR	4 920	OCT	11 000
MAY	63 400	NOV	8 000
JUN	29 000	DEC	5 100

TOTAL DISCHARGE, 150 000 dam³

TOBACCO CREEK NEAR BOSEBANK - STATION NO. 05OF018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.115B	0.033	0.005	0	0	0	0	---	---	1
2	---	---	0 B	0.031B	0.027	0.001	0	0	0	0	---	---	2
3	---	---	0 B	0.019B	0.009	0	0	0	0	0	---	---	3
4	---	---	0 B	0.037B	0.003	0	0	0	0	0	---	---	4
5	---	---	0 B	0.051B	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.023B	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.016B	0	0.003	0	0	0	0	---	---	7
8	---	---	0 B	0.023B	0	0.001	0	0	0	0	---	---	8
9	---	---	0 B	0.057B	0.001	0.023	0	0	0	0	---	---	9
10	---	---	0 B	0.133B	0.014	0.067	0	0	0	0	---	---	10
11	---	---	0 B	0.328B	0.017	0.084	0	0	0	0	---	---	11
12	---	---	0 B	0.664B	0.017	0.077	0	0	0	0	---	---	12
13	---	---	0 B	1.01 B	0.015	0.069	0	0	0	0	---	---	13
14	---	---	0 B	1.16 B	0.012	0.063	0	0	0	0	---	---	14
15	---	---	0 B	0.861	0.019	0.046	0	0	0	0	---	---	15
16	---	---	0 B	0.585	0.023	0.037	0	0	0	0	---	---	16
17	---	---	0 B	0.418	0.029	0.031	0	0	0	0	---	---	17
18	---	---	0 B	0.264	0.053	0.027	0	0	0	0.032	---	---	18
19	---	---	0 B	0.152	0.095	0.024	0	0	0	0.051	---	---	19
20	---	---	0 B	0.112	0.103	0.022	0	0	0	0.044	---	---	20
21	---	---	0 B	0.085	0.092	0.019	0	0	0	0.039	---	---	21
22	---	---	0 B	0.067	0.073	0.010	0	0	0	0.037	---	---	22
23	---	---	0 B	0.048	0.059	0.008	0	0	0	0.030	---	---	23
24	---	---	0 B	0.042	0.047	0.003	0	0	0	0.023	---	---	24
25	---	---	0 B	0.030	0.038	0.002	0	0	0	0.012	---	---	25
26	---	---	0 B	0.030	0.030	0	0	0	0	0.021	---	---	26
27	---	---	0 B	0.028	0.025	0	0	0	0	0.023	---	---	27
28	---	---	0 B	0.023	0.016	0	0	0	0	0.023	---	---	28
29	---		0 B	0.018	0.035	0	0	0	0	0.016	---	---	29
30	---		0.103B	0.015	0.009	0	0	0	0	0.016	---	---	30
31	---		0.435B		0.007		0	0		0.017		---	31
TOTAL	---	---	0.538	6.445	0.901	0.622	0	0	0	0.384	---	---	TOTAL
MEAN	---	---	0.017	0.215	0.029	0.021	0	0	0	0.012	---	---	MEAN
MAX	---	---	0.435	1.16	0.103	0.084	0	0	0	0.051	---	---	MAX
MIN	---	---	0	0.015	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.036
MAXIMUM DAILY, 1.16B ON APR 14
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 17 N
LONG 98 11 05 W
DRAINAGE AREA, 87.3 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	46.5	SEP	0
APR	557	OCT	33.2
MAY	77.8	NOV	---
JUN	53.7	DEC	---

TOTAL DISCHARGE, 768 dam³

TOUROND CREEK NEAR TOUROND - STATION NO. 05OE009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001B	5.19 B	0.101	0.104	0.062	6.91	0.073	0.003	---	---	1
2	---	---	0.001B	5.07 B	0.098	0.100	0.057	5.87	0.068	0.005	---	---	2
3	---	---	0.001B	4.95 B	0.102	0.096	0.053	5.15	0.060	0.005	---	---	3
4	---	---	0.001B	4.77 B	0.102	0.090	0.048	4.38	0.052	0.005	---	---	4
5	---	---	0.001B	4.11 B	0.097	0.068	0.047	3.71	0.043	0.004	---	---	5
6	---	---	0.001B	3.46 B	0.095	0.145	0.041	3.25	0.036	0.007	---	---	6
7	---	---	0.001B	2.81 B	0.106	1.41	0.075	2.80	0.031	0.018	---	---	7
8	---	---	0.001B	2.16 B	0.103	2.12	0.189	2.52	0.025	0.018	---	---	8
9	---	---	0.001B	2.30 B	0.100	2.25	0.321	2.01	0.019	0.034	---	---	9
10	---	---	0.001B	2.44 B	0.098	3.78	0.190	1.47	0.013	0.065	---	---	10
11	---	---	0.001B	2.58 B	0.097	3.08	0.136	0.918	0.009	0.106	---	---	11
12	---	---	0.005B	3.71 B	0.098	1.92	0.106	0.448	0.007	0.127	---	---	12
13	---	---	0.010B	4.48 B	0.101	1.33	0.095	0.252	0.006	0.176	---	---	13
14	---	---	0.100B	4.25 B	0.101	1.02	0.088	0.168	0.005	0.183	---	---	14
15	---	---	0.120B	3.20 B	0.101	0.845	0.088	0.138	0.004	0.152	---	---	15
16	---	---	0.150B	1.10 B	0.104	0.654	0.090	0.119	0.004	0.135	---	---	16
17	---	---	0.100B	0.575B	0.107	0.449	0.093	0.106	0.004	0.120	---	---	17
18	---	---	0.100B	0.367B	0.113	0.328	0.100	0.108	0.003	0.108	---	---	18
19	---	---	0.110B	0.315	0.307	0.248	0.110	0.098	0.003	0.099	---	---	19
20	---	---	0.120B	0.301	0.285	0.192	0.183	0.093	0.003	0.097	---	---	20
21	---	---	0.130B	0.252	0.250	0.161	0.366	0.095	0.003	0.092	---	---	21
22	---	---	0.150B	0.213	0.220	0.143	0.279	0.098	0.003	0.089	---	---	22
23	---	---	0.180B	0.181	0.195	0.122	0.199	0.107	0.003	0.085	---	---	23
24	---	---	0.200B	0.157	0.182	0.105	0.134	0.113	0.003	0.084	---	---	24
25	---	---	0.175B	0.159	0.171	0.094	0.097	0.110	0.003	0.083	---	---	25
26	---	---	0.300B	0.144	0.159	0.087	0.085	0.105	0.003	0.081	---	---	26
27	---	---	1.00 B	0.126	0.149	0.081	5.23	0.101	0.003	0.079	---	---	27
28	---	---	1.75 B	0.113	0.137	0.075	8.86	0.097	0.003	0.075	---	---	28
29	---		3.00 B	0.105	0.127	0.072	9.28	0.091	0.004	0.074	---	---	29
30	---		4.00 B	0.106	0.118	0.068	9.20	0.085	0.003	0.072	---	---	30
31	---		4.50 B		0.110		8.32	0.079		0.071		---	31
TOTAL	---	---	16.211	59.694	4.234	21.257	44.222	41.599	0.499	2.352	---	---	TOTAL
MEAN	---	---	0.523	1.99	0.137	0.709	1.43	1.34	0.017	0.076	---	---	MEAN
MAX	---	---	4.50	5.19	0.307	3.78	9.28	6.91	0.073	0.183	---	---	MAX
MIN	---	---	0.001	0.105	0.095	0.068	0.041	0.079	0.003	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.776
MAXIMUM DAILY, 9.28 ON JUL 29
MINIMUM DAILY, 0.001B ON MAR 1
MAXIMUM INSTANTANEOUS,
9.46 AT 02:14 CST ON JUL 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 50 N
LONG 96 58 50 W
DRAINAGE AREA, 237 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 820
FEB	---	AUG	3 590
MAR	1 400	SEP	43.1
APR	5 160	OCT	203
MAY	366	NOV	---
JUN	1 840	DEC	---

TOTAL DISCHARGE, 16 400 dam³

TURTLE RIVER NEAR LAURIER - STATION NO. 05LJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.13 B	3.54	1.94 E	0.339	0.396	0.109	1.00 E	---	---	1
2	---	---	0 B	1.09 B	3.15	1.23 A	0.306	0.384	0.118	0.778E	---	---	2
3	---	---	0 B	1.02 B	2.97	0.993	0.309	0.349	0.140	0.571E	---	---	3
4	---	---	0 B	1.00 B	2.87	0.869	0.317	0.301	0.139	0.465E	---	---	4
5	---	---	0 B	0.994B	2.76	0.804	0.308	0.246	0.113	0.391A	---	---	5
6	---	---	0 B	0.986B	2.47	0.835	0.303	0.200	0.099	0.381	---	---	6
7	---	---	0 B	0.962B	2.22	1.47	0.275	0.182	0.109	0.381	---	---	7
8	---	---	0 B	0.962B	2.08	2.76	0.241	0.155E	0.129A	0.396	---	---	8
9	---	---	0 B	0.954B	1.91	2.50	0.204	0.131E	0.140E	0.396	---	---	9
10	---	---	0 B	0.954B	1.69	1.93	0.172	0.122E	0.143E	0.588	---	---	10
11	---	---	0 B	1.09 B	2.16	1.49	0.186	0.117E	0.143E	3.23	---	---	11
12	---	---	0 B	1.30 B	3.41	1.13	0.203	0.112A	0.140E	3.42	---	---	12
13	---	---	0 B	1.34 B	3.06	0.937	0.185	0.130	0.137E	2.25	---	---	13
14	---	---	0 B	13.2 B	2.89	0.820	0.167	0.192	0.128E	1.57	---	---	14
15	---	---	0 B	38.2 B	2.81	0.712	0.148	0.724	0.122E	1.05	---	---	15
16	---	---	0 B	34.0 B	4.83	0.637	0.404	0.807	0.120E	0.842	---	---	16
17	---	---	0 B	25.1	9.74	0.581	1.32	0.672	0.120E	0.813	---	---	17
18	---	---	0 B	27.6	13.7	0.554	1.96	0.550	0.125E	0.830A	---	---	18
19	---	---	0 B	21.1	10.2	0.546	1.54	0.442	0.140E	0.836E	---	---	19
20	---	---	0 B	16.7	7.04	0.605	1.01	0.348	0.146E	0.842E	---	---	20
21	---	---	0 B	15.3	5.22	0.675	0.665	0.278	0.159E	0.830E	---	---	21
22	---	---	0 B	18.3	4.21	0.672	0.475	0.226	0.162E	0.767E	---	---	22
23	---	---	0 B	25.8	4.03E	0.653	0.407	0.189	0.166E	0.674E	---	---	23
24	---	---	0 B	20.3	3.53E	0.637	0.366	0.184	0.173E	0.588E	---	---	24
25	---	---	0 B	13.3	3.16E	0.630	0.321	0.239	0.256E	0.470E	---	---	25
26	---	---	0 B	7.52	2.72A	0.637	0.276	0.198	0.396E	0.357A	---	---	26
27	---	---	0 B	5.86	2.51E	0.587	0.244	0.155	0.554E	0.347	---	---	27
28	---	---	0.492B	5.00	2.44E	0.514	0.207	0.124	0.593A	0.593	---	---	28
29	---		1.41 B	4.58	2.32E	0.445	0.255	0.114	0.877A	2.89	---	---	29
30	---		1.39 B	3.81	2.20E	0.388	0.369	0.106	1.23 E	2.49	---	---	30
31	---		1.30 B		2.07E		0.391	0.104		1.67		---	31
TOTAL	---	---	4.592	309.452	119.91	29.181	13.873	8.477	7.126	32.706	---	---	TOTAL
MEAN	---	---	0.148	10.3	3.87	0.973	0.448	0.273	0.238	1.06	---	---	MEAN
MAX	---	---	1.41	38.2	13.7	2.76	1.96	0.807	1.23	3.42	---	---	MAX
MIN	---	---	0	0.954	1.69	0.388	0.148	0.104	0.099	0.347	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.14
MAXIMUM DAILY, 38.2B ON APR 15
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
44.9B AT 11:52 CST ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 56 40 N
LONG 99 31 15 W
DRAINAGE AREA, 974 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 200
FEB	---	AUG	732
MAR	397	SEP	616
APR	26 700	OCT	2 830
MAY	10 400	NOV	---
JUN	2 520	DEC	---

TOTAL DISCHARGE, 45 400 dam³

TURTLEHEAD CREEK ABOVE DELORAINE RESERVOIR - STATION NO. 05MG016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.307B	0.068	0.095	0	0	0	0	---	---	1
2	---	---	0 B	0.189B	0.059	0.077	0	0	0	0	---	---	2
3	---	---	0 B	0.352B	0.063	0.062	0	0	0	0	---	---	3
4	---	---	0 B	0.117B	0.053	0.053	0	0	0	0	---	---	4
5	---	---	0 B	0.114B	0.044	0.047	0	0	0	0	---	---	5
6	---	---	0 B	0.184B	0.040	0.050	0	0	0	0	---	---	6
7	---	---	0 B	0.024B	0.038	0.081	0	0	0	0	---	---	7
8	---	---	0 B	0.065B	0.034	0.060	0	0	0	0	---	---	8
9	---	---	0 B	0.059B	0.044	0.073	0	0	0	0	---	---	9
10	---	---	0 B	0.015B	0.077	0.062	0	0	0	0	---	---	10
11	---	---	0 B	0.480B	0.071	0.054	0	0	0	0	---	---	11
12	---	---	0 B	2.26 B	0.054	0.049	0	0	0	0	---	---	12
13	---	---	0 B	2.28 B	0.052	0.046	0	0	0	0	---	---	13
14	---	---	0 B	1.94 B	0.049	0.046	0	0	0	0	---	---	14
15	---	---	0.003B	1.82 B	0.048	0.041	0	0	0	0	---	---	15
16	---	---	0.002B	0.958	0.055	0.035	0	0	0	0	---	---	16
17	---	---	0.001B	0.673	0.062	0.031	0	0	0	0	---	---	17
18	---	---	0.001B	0.548	0.059	0.028	0	0	0	0	---	---	18
19	---	---	0 B	0.455	0.053	0.028	0	0	0	0	---	---	19
20	---	---	0 B	0.335	0.046	0.025	0	0	0	0	---	---	20
21	---	---	0 B	0.337	0.042	0.023	0	0	0	0	---	---	21
22	---	---	0 B	0.260	0.037	0.020	0	0	0	0	---	---	22
23	---	---	0 B	0.242	0.035	0.019	0	0	0	0	---	---	23
24	---	---	0 B	0.212	0.187	0.018	0	0	0	0	---	---	24
25	---	---	0 B	0.175	0.144	0.014	0	0	0	0	---	---	25
26	---	---	0 B	0.154	0.120	0.011	0	0	0	0	---	---	26
27	---	---	0 B	0.128	0.106	0.010	0	0	0	0.001	---	---	27
28	---	---	0.058B	0.106	0.126	0.009	0	0	0	0.001	---	---	28
29	---		0.344B	0.090	0.160	0.008	0	0	0	0.001E	---	---	29
30	---		0.591B	0.081	0.144	0.004	0	0	0	0.001E		---	30
31	---		0.213B		0.116		0	0		0.001E		---	31
TOTAL	---	---	1.213	14.956	2.286	1.179	0	0	0	0.005	---	---	TOTAL
MEAN	---	---	0.039	0.499	0.074	0.039	0	0	0	0	---	---	MEAN
MAX	---	---	0.591	2.28	0.187	0.095	0	0	0	0.001	---	---	MAX
MIN	---	---	0	0.015	0.034	0.004	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.080
MAXIMUM DAILY, 2.28B ON APR 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.53 AT 17:51 CST ON APR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 59 N
LONG 100 23 57 W
DRAINAGE AREA, 75.1 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	105	SEP	0
APR	1 298	OCT	0.43
MAY	198	NOV	---
JUN	102	DEC	---

TOTAL DISCHARGE, 1 700 dam³

VALLEY RIVER NEAR DAUPHIN - STATION NO. 05LJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.392B	2.30	0.872E	0.090	0.425	0.131	0.438	---	---	1
2	---	---	0 B	0.262B	2.05	0.872E	0.088	0.398	0.109	0.475	---	---	2
3	---	---	0 B	0.142B	2.02	0.844E	0.097	0.425	0.159	0.400	---	---	3
4	---	---	0 B	0 B	1.93	0.823E	0.076	0.597	0.102	0.369	---	---	4
5	---	---	0 B	0 B	1.80	0.781E	0.064	0.740	0.069	0.345	---	---	5
6	---	---	0 B	0 B	1.74 E	0.760E	0.050	0.748	0.059	0.330	---	---	6
7	---	---	0 B	0 B	1.70 E	0.746E	0.054	0.830	0.065	0.320	---	---	7
8	---	---	0 B	0 B	1.66 E	0.739E	0.039	0.801	0.063	0.443	---	---	8
9	---	---	0 B	0 B	1.63 E	0.732E	0.030	0.938	0.158	0.373	---	---	9
10	---	---	0 B	0 B	1.61 E	0.686	0.025	0.918	0.176	0.391	---	---	10
11	---	---	0 B	0.298B	1.66 E	0.623	0.025	1.04	0.099	0.422	---	---	11
12	---	---	0 B	1.50 B	1.68 E	0.562	0.046	1.38	0.059	0.407	---	---	12
13	---	---	0 B	4.46 B	1.66 E	0.506	0.142	1.31	0.074	0.420	---	---	13
14	---	---	0 B	8.99 B	1.60 E	0.471	0.100	1.32	0.074	0.358	---	---	14
15	---	---	0 B	11.3 B	1.50 E	0.412	0.069	1.19	0.082	0.404	---	---	15
16	---	---	0 B	12.3 B	1.54 E	0.367	0.348	1.03	0.087	0.651	---	---	16
17	---	---	0 B	13.4 B	1.58 E	0.354	1.50	0.999	0.078	0.833	---	---	17
18	---	---	0 B	13.0 B	1.60 E	0.330	1.26	0.793	0.066	0.768	---	---	18
19	---	---	0 B	12.2 B	1.50 E	0.342	0.991	0.657	0.064	0.740	---	---	19
20	---	---	0 B	11.3 B	1.40 E	0.378	0.641A	0.570	0.044	0.773	---	---	20
21	---	---	0 B	8.99 B	1.32 E	0.327	0.451	0.636	0.023	0.685	---	---	21
22	---	---	0 B	7.01 B	1.25 E	0.281	0.357	0.621	0.026	0.629	---	---	22
23	---	---	0 B	6.37	1.18 E	0.303	0.320	0.540	0.049	0.528	---	---	23
24	---	---	0 B	4.90	1.13 E	0.264	0.221	0.465	0.062	0.534	---	---	24
25	---	---	0 B	3.94	1.09 E	0.233	0.159	0.441	0.097	0.451	---	---	25
26	---	---	0 B	3.33	1.04 E	0.258	0.120	0.366	0.127	0.356	---	---	26
27	---	---	0 B	2.85	1.00 E	0.224	0.092	0.257	0.174	0.361	---	---	27
28	---	---	0.160B	2.66	0.970E	0.183	0.094	0.239	0.326	0.550	---	---	28
29	---		0.298B	2.47	0.935E	0.146	0.416	0.217	0.402	0.697	---	---	29
30	---		0.502B	2.48	0.907E	0.114	0.432	0.180	0.419	0.758B	---	---	30
31	---		0.460B		0.893E		0.452	0.136		0.727B		---	31
TOTAL	---	---	1.420	134.544	45.875	14.533	8.849	21.207	3.523	15.936	---	---	TOTAL
MEAN	---	---	0.046	4.48	1.48	0.484	0.285	0.684	0.117	0.514	---	---	MEAN
MAX	---	---	0.502	13.4	2.30	0.872	1.50	1.38	0.419	0.833	---	---	MAX
MIN	---	---	0	0	0.893	0.114	0.025	0.136	0.023	0.320	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.00
MAXIMUM DAILY, 13.4B ON APR 17
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 16 45 N
LONG 100 00 39 W
DRAINAGE AREA, 2 870 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	765
FEB	---	AUG	1 830
MAR	123	SEP	304
APR	11 600	OCT	1 380
MAY	3 960	NOV	---
JUN	1 260	DEC	---

TOTAL DISCHARGE, 21 200 dam³

VALLEY RIVER NEAR GRANDVIEW - STATION NO. 05LJ021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.161B	0.497B	0.694	0.661	0.211	0.048E	0.080E	0.605	---	---	1
2	---	---	0.157B	0.288B	0.566	0.638	0.422	0.046E	0.035E	0.607	---	---	2
3	---	---	0.152B	0.142B	1.16	0.704	0.378	0.044E	0.040E	0.605	---	---	3
4	---	---	0.147B	0.093B	1.06	0.687	0.404	0.045E	0.050E	0.595	---	---	4
5	---	---	0.142B	0.060B	0.810	0.569	0.356	0.050E	0.055E	0.578	---	---	5
6	---	---	0.137B	0.058B	0.925	0.452	0.260	0.093E	0.142E	0.613	---	---	6
7	---	---	0.132B	0.055B	0.732	0.244	0.210	0.239E	0.288E	0.702	---	---	7
8	---	---	0.127B	0.053B	0.701	0.256	0.072	0.288E	0.393E	0.804	---	---	8
9	---	---	0.122B	0.051B	0.736	0.254	0.005	0.323E	0.469E	0.501	---	---	9
10	---	---	0.118B	0.060B	0.955	0.267	0	0.393E	0.428E	0.453	---	---	10
11	---	---	0.108B	0.288B	0.869	0.235	0	0.727E	0.393E	0.504A	---	---	11
12	---	---	0.098B	1.09 B	1.01	0.148	0	1.09 E	0.323E	0.637E	---	---	12
13	---	---	0.088B	3.64 B	1.06	0.028	0	1.21 E	0.239E	0.861E	---	---	13
14	---	---	0.079B	5.83 B	0.995	0.011	0	1.16 E	0.142E	0.816E	---	---	14
15	---	---	0.069B	6.74 B	0.893	0.120	0	0.995E	0.093E	0.637E	---	---	15
16	---	---	0.063B	7.62 B	0.845	0.198	0.233	0.906E	0.055E	0.428E	---	---	16
17	---	---	0.061B	6.09 B	0.787	0.236	0.039	0.771E	0.045E	0.567E	---	---	17
18	---	---	0.059B	4.67 B	0.803	0.264	0.001	0.682E	0.040E	0.906E	---	---	18
19	---	---	0.057B	3.64 B	0.966	0.260	0.267	0.567E	0.030E	1.51 E	---	---	19
20	---	---	0.055B	3.35 B	0.921	0.292	0.470	0.463E	0.020E	1.19 E	---	---	20
21	---	---	0.053B	2.78 B	0.904	0.222	0.210A	0.393E	0.011A	0.951E	---	---	21
22	---	---	0.051B	2.46 B	0.941	0.182	0.118E	0.323E	0.008	0.816E	---	---	22
23	---	---	0.049B	2.10 B	0.977	0.275	0.055E	0.264E	0.003	0.771E	---	---	23
24	---	---	0.047B	1.74 B	0.940	0.119	0.040E	0.239E	0	0.727E	---	---	24
25	---	---	0.045B	1.40 B	0.988	0.092	0.030E	0.215A	0	0.771E	---	---	25
26	---	---	0.043B	1.12	0.956	0.199	0.025E	0.166E	0	0.789E	---	---	26
27	---	---	0.050B	1.04	0.892	0.214	0.015E	0.118E	0	0.816A	---	---	27
28	---	---	0.288B	1.08	0.675	0.173	0.007E	0.069E	0.020	0.645	---	---	28
29	---		0.906B	0.932	0.675	0.169	0.010E	0.060E	0.255	0.554	---	---	29
30	---		1.09 B	0.802	0.629	0.198	0.025E	0.050E	0.404	0.641	---	---	30
31	---		0.816B		0.656		0.050E	0.045E		0.602E		---	31
TOTAL	---	---	5.570	59.769	26.721	8.367	3.913	12.062	4.021	22.202	---	---	TOTAL
MEAN	---	---	0.180	1.99	0.862	0.279	0.126	0.389	0.134	0.716	---	---	MEAN
MAX	---	---	1.09	7.62	1.16	0.704	0.470	1.21	0.469	1.51	---	---	MAX
MIN	---	---	0.043	0.051	0.566	0.011	0	0.044	0	0.428	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.582
MAXIMUM DAILY, 7.62B ON APR 16
MINIMUM DAILY, 0 ON JUL 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 11 10 N
LONG 100 41 40 W
DRAINAGE AREA, 1 720 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	338
FEB	---	AUG	1 040
MAR	481	SEP	347
APR	5 160	OCT	1 920
MAY	2 310	NOV	---
JUN	723	DEC	---

TOTAL DISCHARGE, 12 300 dam³

VERMILION RESERVOIR NEAR DAUPHIN - STATION NO. 05LJ046

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	388.262	---	---	388.208	388.492	388.412	388.336	388.340	388.353	388.023	388.453	388.122	1
2	388.264	---	---	388.215	388.470	388.408	388.331	388.360	388.358	388.014	388.433	388.120	2
3	388.262	---	---	388.221	388.462	388.393	388.333	388.364	388.363	387.997	388.407	388.112	3
4	388.260	---	---	388.221	388.456	388.382	388.333	388.360	388.365	387.983	388.394	388.090	4
5	388.259	---	---	388.220	388.442	388.377	388.331	388.352	388.351	387.960	388.384	388.074	5
6	388.257	---	---	388.219	388.427	388.373	388.324	388.354	388.345	387.940	388.378	388.065	6
7	388.261	---	---	388.218	388.413	388.373	388.319	388.349	388.353	387.921	388.375	388.052	7
8	388.259	---	---	388.215	388.407	388.371	388.322	388.341	388.346	387.899	388.368	388.038	8
9	388.256	---	---	388.218	388.403	388.366	388.314	388.343	388.328	387.878	388.356	388.022	9
10	388.252	388.233A	388.197A	388.218	388.410	388.364	388.304	388.342	388.311	387.881	388.355	388.004	10
11	388.255	---	388.192	388.215	388.440	388.362	388.299	388.339	388.298	388.041	388.351	387.983	11
12	388.254	---	388.195	388.220	388.444	388.359	388.298	388.338	388.284	388.259	388.329	387.962	12
13	388.255	---	388.194	388.249	388.430	388.355	388.288	388.340	388.282	388.384	388.323	387.940	13
14	388.252	---	388.190	388.415	388.423	388.354	388.275	388.346	388.281	388.402	388.325	387.917	14
15	388.252	---	388.189	388.595	388.413	388.351	388.267	388.362	388.273	388.392	388.323	387.897	15
16	388.249	---	388.193	388.689	388.419	388.347	388.280	388.361	388.260	388.382	388.325	387.874	16
17	388.250	---	388.205	388.736	388.464	388.345	388.301	388.359	388.257	388.378	388.323	387.857	17
18	388.250	---	388.204	388.839	388.535	388.348	388.323	388.364	388.257	388.371	388.324	387.838	18
19	388.249	---	388.202	388.764	388.553	388.346	388.337	388.358	388.253	388.367	388.323	387.819	19
20	388.248	---	388.201	388.745	388.521	388.354	388.335	388.346	388.251	388.366	388.310	387.801	20
21	388.247	---	388.201	388.721	388.492	388.363	388.330	388.343	388.249	388.361	388.299	387.787	21
22	388.247	---	388.201	388.759	388.467	388.359	388.331	388.343	388.238	388.357	388.277	387.778	22
23	388.250	---	388.201	388.811	388.446	388.360	388.337	388.343	388.207	388.352	388.259	387.772	23
24	388.249	---	388.199	388.794	388.432	388.359	388.337	388.342	388.175	388.351	388.243	387.761	24
25	388.249	---	388.196	388.744	388.422	388.354	388.335	388.351	388.135	388.351	388.234	387.749	25
26	388.247	---	388.194	388.684	388.428	388.351	388.334	388.347	388.096	388.345	388.213	387.735	26
27	388.248	---	388.191	388.633	388.419	388.345	388.326	388.345	388.057	388.342	388.192	387.724	27
28	388.244A	---	388.191	388.599	388.404	388.341	388.331	388.344	388.040	388.375	388.178	387.713	28
29	---		388.192	388.566	388.400	388.339	388.358	388.348	388.036	388.511	388.158	387.702	29
30	---		388.202	388.529	388.403	388.336	388.352	388.349	388.034	388.514	388.142	387.689	30
31	---		388.210		388.411		388.345	388.348		388.479		387.676	31
MEAN	---	---	---	388.483	388.443	388.362	388.321	388.349	388.248	388.231	388.312	387.893	MEAN
MAX	---	---	---	388.839	388.553	388.412	388.358	388.364	388.365	388.514	388.453	388.122	MAX
MIN	---	---	---	388.208	388.400	388.336	388.267	388.338	388.034	387.878	388.142	387.676	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 02 45 N
LONG 100 10 05 W

MAXIMUM DAILY, 388.839 ON APR 18
MINIMUM DAILY, 387.676 ON DEC 31
MAXIMUM INSTANTANEOUS,
388.876 AT 02:57 CST ON APR 18

REGULATED SINCE 1979

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

VERMILION RIVER NEAR DAUPHIN - STATION NO. 05LJ012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.391B	3.31	1.22	0.015E	0.183A	0 A	0.568	---	---	1
2	---	---	0 B	0 B	2.67	1.17	0 E	0.183A	0 A	0.667	---	---	2
3	---	---	0 B	0 B	2.27	1.04	0 E	0.082A	0 A	0.700	---	---	3
4	---	---	0 B	0 B	2.05	0.877	0 A	0.655A	0 A	0.680	---	---	4
5	---	---	0 B	0 B	1.75	0.714	0 E	0.432A	0 A	0.626	---	---	5
6	---	---	0 B	0 B	1.49	0.632	0 E	0.352A	0 A	0.653	---	---	6
7	---	---	0 B	0 B	1.28	0.512	0 E	0.310A	0 A	0.686	---	---	7
8	---	---	0 B	0 B	1.05	0.497	0 E	0.187A	0 A	0.683	---	---	8
9	---	---	0 B	0 B	0.866	0.459	0 E	0.112A	0 A	0.665	---	---	9
10	---	---	0 B	0 B	0.833	0.415	0 E	0.093A	0 A	0.794	---	---	10
11	---	---	0 B	1.34 B	0.964	0.344	0 E	0.060A	0 A	0.943	---	---	11
12	---	---	0 B	3.96 B	1.40	0.317	0 A	0.011A	0 A	0.915	---	---	12
13	---	---	0 B	7.00 B	1.43	0.320E	0 E	0 A	0 A	0.790	---	---	13
14	---	---	0 B	13.3 B	1.20	0.174A	0 E	0 A	0 A	1.14	---	---	14
15	---	---	0 B	20.1 B	1.07	0.152E	0.093E	0.352A	0 A	1.59	---	---	15
16	---	---	0 B	13.7 B	1.02	0.120E	0.862	0.588A	0 A	1.43	---	---	16
17	---	---	0 B	12.9 B	1.29	0.106E	1.55	0.546A	0 A	1.25	---	---	17
18	---	---	0 B	20.3	2.52	0.093E	0.934	0.517	0 A	1.19	---	---	18
19	---	---	0 B	15.7	3.93	0.079E	0.773	1.31	0 A	1.13	---	---	19
20	---	---	0 B	13.7	3.62	0.065E	0.773E	1.56	0 A	1.15	---	---	20
21	---	---	0 B	12.2	2.91	0.050A	0.055A	0.820	0 A	1.06	---	---	21
22	---	---	0 B	12.6	2.38	0.040E	0 A	0.455A	0 A	0.953	---	---	22
23	---	---	0 B	14.3	1.97	0.028E	0 A	0.303A	0.003A	0.836	---	---	23
24	---	---	0 B	14.4	1.62	0.040E	0 A	0.139A	0 A	0.838	---	---	24
25	---	---	0 B	12.4	1.38	0.093E	0 A	0.087A	0 A	0.813	---	---	25
26	---	---	0 B	9.73	1.22	0.152E	0 A	0.053A	0 A	0.778	---	---	26
27	---	---	0 B	7.66	1.27	0.168E	0.161A	0.009A	0 A	0.666	---	---	27
28	---	---	0.391B	6.30	1.11	0.136A	0.003A	0 A	0.441	0.887	---	---	28
29	---		1.34 B	5.16	0.922	0.079E	0.405A	0 A	0.818	3.93	---	---	29
30	---		1.68 B	4.26	0.916	0.053E	0.133A	0 A	0.641	4.87	---	---	30
31	---		0.980B		1.05		0.020A	0 A		3.68		---	31
TOTAL	---	---	4.391	221.401	52.761	10.145	5.777	9.399	1.903	37.561	---	---	TOTAL
MEAN	---	---	0.142	7.38	1.70	0.338	0.186	0.303	0.063	1.21	---	---	MEAN
MAX	---	---	1.68	20.3	3.93	1.22	1.55	1.56	0.818	4.87	---	---	MAX
MIN	---	---	0	0	0.833	0.028	0	0	0	0.568	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.40
MAXIMUM DAILY, 20.3 ON APR 18
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
23.9 AT 11:30 CST ON APR 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 11 00 N
LONG 100 00 45 W
DRAINAGE AREA, 673 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1979

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	499
FEB	---	AUG	812
MAR	379	SEP	164
APR	19 100	OCT	3 250
MAY	4 560	NOV	---
JUN	877	DEC	---

TOTAL DISCHARGE, 29 600 dam³

WASKADA CREEK NEAR CRANMER - STATION NO. 05NF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.131B	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.110B	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.089B	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.068B	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.047B	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.026B	0	0.006	0	0	0	0.001	---	---	6
7	---	---	0 B	0.005B	0	0.021	0	0	0	0.030	---	---	7
8	---	---	0 B	0.245B	0	0.015	0	0	0	0.039	---	---	8
9	---	---	0 B	0.167B	0	0.026	0	0	0	0.026	---	---	9
10	---	---	0 B	0.115B	0	0.050	0	0	0	0.057	---	---	10
11	---	---	0 B	0.259B	0	0.035	0	0	0	0.063	---	---	11
12	---	---	0 B	5.02 B	0	0.036	0	0	0	0.049	---	---	12
13	---	---	0 B	5.82	0	0.040	0	0	0	0.044	---	---	13
14	---	---	0 B	2.53	0	0.043	0	0	0	0.035	---	---	14
15	---	---	0 B	1.47	0	0.041	0	0	0	0.022	---	---	15
16	---	---	0 B	0.740	0	0.033	0	0	0	0.018	---	---	16
17	---	---	0 B	0.328	0	0.022	0	0	0	0.016	---	---	17
18	---	---	0 B	0.129	0	0.018	0	0	0	0.011	---	---	18
19	---	---	0 B	0.071	0	0.017	0	0	0	0.003	---	---	19
20	---	---	0 B	0.052	0	0.010	0	0	0	0	---	---	20
21	---	---	0 B	0.031	0	0.006	0	0	0	0	---	---	21
22	---	---	0 B	0.015	0	0.002	0	0	0	0	---	---	22
23	---	---	0 B	0.002	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0.001	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0	0	0	0	0	0	0	---	---	28
29	---		0 B	0	0	0	0	0	0	0	---	---	29
30	---		0.015B	0	0	0	0	0	0	0	---	---	30
31	---		0.319B		0		0	0		0		---	31
TOTAL	---	---	0.334	17.471	0	0.421	0	0	0	0.414	---	---	TOTAL
MEAN	---	---	0.011	0.582	0	0.014	0	0	0	0.013	---	---	MEAN
MAX	---	---	0.319	5.82	0	0.050	0	0	0	0.063	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.076
MAXIMUM DAILY, 5.82 ON APR 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
9.87 AT 00:29 CST ON APR 13

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 40 N
LONG 100 42 50 W
DRAINAGE AREA, 104 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	28.9	SEP	0
APR	1 510	OCT	35.8
MAY	0	NOV	---
JUN	36.4	DEC	---

TOTAL DISCHARGE, 1 610 dam³

WATERHEN LAKE AT SKOWNAN - STATION NO. 05LH008

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	251.555A	251.573A	251.593A	251.776	251.950	251.853	251.782	251.661	---	251.700A	251.718	1
2	251.579A	---	---	251.595A	251.791	251.932	251.885	251.782	251.669	---	251.799A	251.715	2
3	---	251.555A	251.575A	---	251.808	251.917	251.896	251.774	251.643	---	251.782	251.713	3
4	251.577A	---	---	---	251.823	251.938	251.918	251.779	251.691	251.658A	251.745	251.713	4
5	---	251.553A	251.577A	---	251.833	251.929	251.915	251.766	251.640	---	251.717	251.711A	5
6	251.577A	---	---	---	251.856	251.980	251.945	251.774	251.606	251.659A	251.721	---	6
7	---	251.555A	251.573A	---	251.880	252.021	251.907	251.808	251.623	---	251.722	251.701A	7
8	251.575A	---	251.587A	---	251.856	251.935	251.897	251.831	251.631	251.649A	251.721	---	8
9	---	251.557A	251.569A	---	251.862	251.942	251.890	251.781	251.640	---	251.718	251.701A	9
10	251.573A	---	---	---	251.886	251.945	251.884	251.757	251.630	251.649A	251.715	---	10
11	---	251.559A	251.569A	251.713A	251.874	251.959	251.883	251.722	251.624	---	251.710	251.701A	11
12	251.569A	---	---	---	251.873	251.934	251.895	251.708	251.636	251.659A	251.713	---	12
13	---	251.561A	251.567A	251.717A	251.897	251.937	251.871	251.742	251.663	---	251.723	251.701A	13
14	251.565A	---	---	---	251.916	251.947	251.847	251.712	251.620	251.664A	251.726	---	14
15	---	251.563A	251.571A	---	251.931	251.924	251.868	251.739	251.586	---	251.729	251.718A	15
16	251.561A	---	---	---	251.907	251.957	251.897	251.738	251.613	251.664A	251.729	251.719	16
17	---	251.565A	251.573A	251.737A	251.912	251.927	251.947	251.714	251.606	---	251.729	251.719	17
18	251.559A	---	---	---	251.929	251.912	251.886	251.723	251.665	251.669A	251.727	251.716	18
19	---	251.565A	251.577A	251.747A	251.922	251.942	251.870	251.729	251.624	---	251.727	251.714	19
20	251.557A	---	---	---	251.902	251.943	251.899	251.713	251.587	251.670A	251.729	251.712	20
21	---	251.567A	251.581A	251.757A	251.914	251.929	251.886	251.709	251.584	---	251.727	251.712	21
22	251.557A	---	---	---	251.911	251.901	251.885	251.717	251.590	251.680A	251.727	251.711	22
23	---	251.567A	251.581A	251.767A	251.906	251.938	251.850	251.689	251.638	---	251.725	251.713	23
24	251.559A	---	---	---	251.926	251.957	251.853	251.703	---	251.680A	251.724	251.713	24
25	---	251.569A	251.583A	251.775A	251.916	251.902	251.851	251.701	---	---	251.720	251.713	25
26	251.559A	---	---	---	251.919	251.916	251.836	251.704	---	251.680A	251.718	251.714	26
27	---	251.569A	251.585A	251.777A	251.964	251.921	251.832	251.678	---	---	251.715	251.712	27
28	251.557A	---	---	251.727A	251.978	251.923	251.822	251.633	---	251.690A	251.714	251.710	28
29	---		251.589A	251.745	251.981	251.896	251.837	251.687	---	---	251.712	251.709	29
30	251.557A		---	251.761	251.966	251.884	251.791	251.658	---	251.695A	251.713	251.708	30
31	---		251.591A		251.983		251.825	251.651		---		251.710	31
MEAN	---	---	---	---	251.897	251.935	251.873	251.729	---	---	251.726	---	MEAN
MAX	---	---	---	---	251.983	252.021	251.947	251.831	---	---	251.799	---	MAX
MIN	---	---	---	---	251.776	251.884	251.791	251.633	---	---	251.700	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 58 20 N
LONG 99 35 20 W

A - MANUAL GAUGE

MAXIMUM DAILY, 252.021 ON JUN 7

MAXIMUM INSTANTANEOUS,
252.150 AT 22:15 CST ON JUN 6

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WATERHEN RIVER NEAR WATERHEN - STATION NO. 05LH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.0 B	0.537B	0.470B	0.727B	46.0E	46.4	60.4	58.5	44.5	39.6	57.5	16.9B	1
2	9.00 B	0.520B	0.480B	0.728B	50.0E	51.8	64.3	58.2	47.7	41.5	65.6	16.7B	2
3	8.00 B	0.500B	0.490B	0.729B	55.6A	63.7	69.2	57.5	41.0	44.0	68.0	16.6B	3
4	7.00 B	0.480B	0.500B	0.730B	60.6A	72.5	70.0	60.1	50.7	50.7	52.8	16.5B	4
5	6.00 B	0.470B	0.520B	0.732B	58.0A	69.5	73.1	55.2	44.2	50.4	44.5	16.4B	5
6	5.00 B	0.460B	0.530B	0.734B	65.4	72.5	77.6	57.5	35.0	46.1	44.6	16.3B	6
7	4.40 B	0.450B	0.550B	0.736B	80.6	109	80.2	62.4	37.1	48.6	52.1	16.2B	7
8	3.70 B	0.440B	0.572B	0.738B	69.1	77.9	72.3	77.7	39.7	45.1	52.1	16.1B	8
9	3.20 B	0.430B	0.580B	0.740B	66.8	75.3	71.3	61.5	41.5	51.9	50.9	16.0B	9
10	2.80 B	0.420B	0.590B	0.745B	71.6	77.2	69.7	55.8	39.5	67.7	50.5	15.9B	10
11	2.42 B	0.410B	0.610B	0.760B	66.4	83.6	70.3	46.1	42.4	57.3	45.7	15.8B	11
12	2.20 B	0.400B	0.620B	0.780B	59.3	76.0	72.5	40.0	38.3	46.3	35.5	15.7B	12
13	2.00 B	0.390B	0.630B	0.840B	65.4	75.3	69.7	51.1	51.4	45.1	27.0B	15.6B	13
14	1.80 B	0.385B	0.635B	1.00 B	70.1	77.3	63.7	43.0	42.5	47.7	21.0B	15.5B	14
15	1.60 B	0.380B	0.640B	1.10 B	73.7	74.5	65.9	51.3	35.1	54.1	20.0B	15.4B	15
16	1.50 B	0.375B	0.645B	1.25 B	70.3	77.8	72.6	53.6	38.6	45.6	20.3B	15.3B	16
17	1.30 B	0.370B	0.650B	1.50 B	72.0	77.6	83.9	49.3	41.7	43.7	22.0B	15.2B	17
18	1.20 B	0.368B	0.655B	1.80 B	76.2	73.9	74.4	49.3	44.2	61.2	23.1B	15.1B	18
19	1.12 B	0.362B	0.660B	2.10 B	75.3	75.4	65.9	53.8	52.8	50.2	24.0B	15.0B	19
20	1.03 B	0.360B	0.665B	2.30 E	68.7	79.3	72.2	51.8	38.1	49.2	24.3B	15.0B	20
21	0.950B	0.362B	0.670B	2.75 E	70.5	76.3	73.0	49.6	34.7	45.8	23.0B	14.9B	21
22	0.880B	0.370B	0.680B	3.60 E	68.7	67.7	64.6	52.2	35.3	47.9	21.2B	14.9B	22
23	0.800B	0.400B	0.685B	4.60 E	61.6	69.7	64.4	48.1	47.9	42.4	20.3B	14.8B	23
24	0.760B	0.440B	0.690B	5.60 E	55.1	92.2	67.9	51.0	37.8	49.2	19.5B	14.8B	24
25	0.720B	0.450B	0.700B	8.00 E	57.9	71.7	68.4	52.4	23.5	47.6	19.0B	14.7B	25
26	0.680B	0.455B	0.705B	12.0 E	60.0	72.2	65.6	52.0	43.4	45.9	18.6B	14.7B	26
27	0.660B	0.460B	0.710B	26.1 A	50.7	76.5	66.0	49.7	42.3	46.6	18.1B	14.6B	27
28	0.630B	0.465B	0.714B	26.1 A	43.3	76.8	63 0	35.9	39.9	59.9	17.8B	14.5B	28
29	0.600B		0.718B	38.0 A	42.5	72.6	69.1	48.3	39.2	60.7	17.4B	14.4B	29
30	0.570B		0.721B	43.1 A	45.8	69.2	58.1	44.8	46.7	56.0	17.1B	14.3B	30
31	0.550B		0.725B		41.5		65.0	41.3		54.8		14.2B	31
TOTAL	84.070	11.909	19.410	190.619	1 918.7	2 231.4	2 144.3	1 619.0	1 236.7	1 542.8	993.5	478.0	TOTAL
MEAN	2.71	0.425	0.626	6.35	61.9	74.4	69.2	52.2	41.2	49.8	33.1	15.4	MEAN
MAX	11.0	0.537	0.725	43.1	80.6	109	83.9	77.7	52.8	67.7	68.0	16.9	MAX
MIN	0.550	0.360	0.470	0.727	41.5	46.4	58.1	35.9	23.5	39.6	17.1	14.2	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 34.2
MAXIMUM DAILY, 109 ON JUN 7
MINIMUM DAILY, 0.360B ON FEB 20
MAXIMUM INSTANTANEOUS,
125 AT 04:53 CST ON JUN 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 51 10 N
LONG 99 32 50 W
DRAINAGE AREA, 55 200 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 260	JUL	185 000
FEB	1 030	AUG	140 000
MAR	1 680	SEP	107 000
APR	16 500	OCT	133 000
MAY	166 000	NOV	85 800
JUN	193 000	DEC	41 300

TOTAL DISCHARGE, 1 080 000 dam³

WEAVER LAKE AT OUTLET - STATION NO. 05RE0G2

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	28.163	27.994	27.962	28.713	29.200	28.930	28.453	28.189	28.070	28.206	28.266	1
2	---	28.151	27.990	27.965	28.743	29.184	28.927	28.452	28.188	28.074	28.208	28.266	2
3	---	28.138	27.976	27.954	28.766	29.166	28.897	28.417	28.193	28.084	28.216	28.269	3
4	---	28.131	27.978	27.958	28.856	29.171	28.863	28.400	28.179	28.099	28.228	28.267	4
5	---	28.121	27.968	27.963	28.920	29.169	28.839	28.390	28.189	28.092	28.231	28.268	5
6	---	28.118	27.955A	27.952	29.007	29.158	28.821	28.381	28.187	28.112	28.237	28.262	6
7	---	28.113	---	27.940	29.085	29.124	28.781	28.349	28.183	28.112	28.253	28.259	7
8	---	28.103	---	27.951	29.170	29.131	28.783	28.349	28.170	28.105	28.254	28.254	8
9	---	28.096	---	27.952	29.244	29.135	28.774	28.352	28.168	28.112	28.255	28.251	9
10	---	28.091	---	27.963	29.290	29.130	28.742	28.342	28.172	28.113	28.258	28.248	10
11	---	28.085	---	27.958	29.339	29.126	28.723	28.339	28.130	28.124	28.261	28.242	11
12	---	28.078	---	27.962	29.374	29.125	28.700	28.334	28.144	28.121	28.255	28.239	12
13	---	28.072	---	27.965	29.400	29.124	28.682	28.311	28.142	28.110	28.265	28.235	13
14	---	28.067	---	27.961	29.415	29.127	28.654	28.308	28.133	28.103	28.262	28.232	14
15	---	28.066	---	27.968	29.438	29.110	28.639	28.262	28.121	28.092	28.271	28.227	15
16	---	28.056	---	27.969	29.434	29.102	28.640	28.275	28.118	28.116	28.275	28.231	16
17	---	28.057	---	27.983	29.419	29.084	28.642	28.273	28.119	28.146	28.272	28.229	17
18	---	28.053	---	27.991	29.423	29.084	28.629	28.253	28.085	28.139	28.271	28.220	18
19	28.227A	28.053	---	27.996	29.426	29.079	28.618	28.242	28.097	28.131	28.277	28.218	19
20	28.225	28.052	---	28.015	29.403	29.078	28.574	28.248	28.093	28.130	28.277	28.207	20
21	28.238	28.046	---	28.031	29.403	29.075	28.568	28.239	28.099	28.136	28.278	28.208	21
22	28.231	28.035	---	28.043	29.401	29.068	28.577	28.226	28.092	28.147	28.277	28.200	22
23	28.221	28.026	27.980A	28.088	29.380	29.053	28.566	28.212	28.088	28.154	28.278	28.204	23
24	28.211	28.017	27.994	28.159	29.355	29.026	28.531	28.207	28.076	28.156	28.273	28.199	24
25	28.205	28.010	27.995	28.245	29.334	29.018	28.533	28.199	28.064	28.164	28.265	28.196	25
26	28.204	28.004	27.968	28.333	29.315	28.997	28.524	28.205	28.058	28.171	28.262	28.195	26
27	28.203	27.998	27.957	28.408	29.301	28.975	28.499	28.198	28.083	28.180	28.265	28.191	27
28	28.188	27.997	27.957	28.487	29.276	28.985	28.488	28.218	28.129	28.183	28.267	28.183	28
29	28.182		27.960	28.556A	29.262	28.963	28.485	28.196	28.065	28.169	28.263	28.176	29
30	28.174		27.959	28.625	29.245	28.942	28.457	28.201	28.049	28.166	28.264	28.175	30
31	28.165		27.958		29.221		28.462	28.211		28.193		28.173	31
MEAN	---	28.071	---	28.077	29.237	29.090	28.663	28.292	28.127	28.129	28.257	28.225	MEAN
MAX	---	28.163	---	28.625	29.438	29.200	28.930	28.453	28.193	28.193	28.278	28.269	MAX
MIN	---	27.997	---	27.940	28.713	28.942	28.457	28.196	28.049	28.070	28.206	28.173	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 29.438 ON MAY 15

MAXIMUM INSTANTANEOUS,
29.465 AT 11:36 CST ON MAY 15

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 46 40 N
LONG 96 45 10 W

A - MANUAL GAUGE

NATURAL FLOW

WEIR RIVER ABOVE THE MOUTH - STATION NO. 05UH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.84B	1.40B	1.04 B	0.611B	25.9B	61.6	34.7	9.51	19.0	18.9	15.2	5.29B	1
2	1.83B	1.40B	1.02 B	0.598B	62.8B	58.0	31.8	10.1	19.1	21.9	12.2	5.20B	2
3	1.82B	1.39B	1.01 B	0.584B	139 B	52.1	30.5	9.79	19.1	24.3	9.59	5.14B	3
4	1.81B	1.38B	0.994B	0.570B	196 B	47.6	29.0	9.73	20.0	26.2	9.34B	5.06B	4
5	1.80B	1.36B	0.980B	0.557B	213 B	43.9	27.7	9.23	21.9	27.0	9.08B	4.97B	5
6	1.80B	1.35B	0.967B	0.543B	209 B	47.7	26.3	8.78	24.3	27.1	8.87B	4.91B	6
7	1.78B	1.34B	0.953B	0.529B	182 E	57.2	25.0	8.43	25.9	26.2	8.61B	4.82B	7
8	1.75B	1.32B	0.939B	0.516B	163 E	77.7	24.4	7.92	25.5	24.9	8.35B	4.77B	8
9	1.73B	1.31B	0.926B	0.502B	143	101	23.6	7.94	24.9	24.0	8.17B	4.71B	9
10	1.70B	1.30B	0.912B	0.488B	117	110	22.0	7.91	23.5	23.2	7.99B	4.66B	10
11	1.69B	1.28B	0.898B	0.475B	98.4	108	20.8	7.33	22.8	22.3	7.73B	4.59B	11
12	1.69B	1.27B	0.885B	0.461B	87.5	97.6	20.2	7.12	22.8	22.0	7.54B	4.54B	12
13	1.68B	1.24B	0.871B	0.447B	76.1	87.5	19.0	7.07	22.8	21.6	7.41B	4.47B	13
14	1.66B	1.24B	0.857B	0.434B	64.0	80.4	17.9	6.97	23.0	20.5	7.25B	4.42B	14
15	1.65B	1.23B	0.844B	0.420B	56.6	73.8	16.5	6.72	21.5	20.0	7.07B	4.37B	15
16	1.64B	1.21B	0.830B	0.406B	51.5	66.6	15.2	7.70	20.6	19.2	6.93B	4.32B	16
17	1.62B	1.20B	0.816B	0.393B	48.5	61.3	14.7	18.2	18.8	18.6	6.76B	4.27B	17
18	1.61B	1.19B	0.803B	0.379B	44.8	56.3	13.8	36.2	17.8	17.4	6.65B	4.24B	18
19	1.60B	1.17B	0.789B	0.365B	41.4	52.0	13.6	45.3	17.2	16.4	6.50B	4.17B	19
20	1.58B	1.16B	0.775B	0.352B	40.4	47.7	12.6	48.1	17.2	16.1	6.41B	4.14B	20
21	1.57B	1.14B	0.762B	0.338B	37.5	44.7	12.5	43.4	16.8	13.7	6.29B	4.11B	21
22	1.55B	1.13B	0.748B	0.324B	36.2	41.5	12.2	37.8	16.0	13.7	6.17B	4.06B	22
23	1.54B	1.12B	0.734B	0.311B	34.6	39.1	12.0	31.4	15.2	15.0	6.06B	4.00B	23
24	1.53B	1.10B	0.721B	0.297B	33.4	38.3	11.7	27.5	14.4	15.7	5.93B	3.95B	24
25	1.51B	1.09B	0.707B	0.283B	34.0	39.7	11.3	23.9	14.4	15.0	5.82B	3.92B	25
26	1.50B	1.08B	0.693B	0.311B	36.3	40.8	11.0	22.0	13.8	15.0	5.76B	3.88B	26
27	1.49B	1.06B	0.680B	0.352B	44.6	40.4	11.2	21.1	13.4	14.3	5.67B	3.85B	27
28	1.47B	1.05B	0.666B	2.04 B	51.7	39.6	10.9	20.5	13.8	14.9	5.56B	3.82B	28
29	1.46B		0.652B	7.73 B	59.7	38.4	10.1	20.4	13.2	15.1	5.47B	3.79B	29
30	1.45B		0.639B	18.3 B	65.1	37.2	9.83	20.3	15.3	16.0	5.39B	3.75B	30
31	1.43B		0.625B		65.4		9.61	19.7		16.0		3.72B	31
TOTAL	50.78	34.51	25.736	39.916	2 558.4	1 787.7	561.64	568.05	574.0	602.2	225.77	135.91	TOTAL
MEAN	1.64	1.23	0.830	1.33	82.5	59.6	18.1	18.3	19.1	19.4	7.53	4.38	MEAN
MAX	1.84	1.40	1.04	18.3	213	110	34.7	48.1	25.9	27.1	15.2	5.29	MAX
MIN	1.43	1.05	0.625	0.283	25.9	37.2	9.61	6.72	13.2	13.7	5.39	3.72	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.6
MAXIMUM DAILY, 213B ON MAY 5
MINIMUM DAILY, 0.283B ON APR 25

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 56 20 N
LONG 93 19 45 W
DRAINAGE AREA, 2 280 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 390	JUL	48 500
FEB	2 980	AUG	49 100
MAR	2 220	SEP	49 600
APR	3 450	OCT	52 000
MAY	221 000	NOV	19 500
JUN	154 000	DEC	11 700

TOTAL DISCHARGE, 618 000 dam³

WEKUSKO LAKE AT BERRY BAY WHARF - STATION NO. 05TB003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	254.948	254.914	254.894	254.871	254.965	255.328	255.223	255.066	254.932	254.827	254.702	254.780	1
2	254.944	254.915	254.894	254.871	254.990	255.325	255.223	255.060	254.928	254.824	254.716	254.789	2
3	254.944	254.921	254.893	254.869	255.020	255.323	255.210	255.068	254.925	254.822	254.730	254.790	3
4	254.946	254.920	254.893	254.870	255.044	255.334	255.219	255.066	254.909	254.819	254.789	254.789	4
5	254.948	254.921	254.889	254.863	255.065	255.331	255.212	255.066	254.913	254.822	254.821	254.787	5
6	254.945	254.924	254.882	254.867	255.087	255.320	255.203	255.065	254.912	254.815	254.827	254.786	6
7	254.938	254.921	254.877	254.870	255.100	255.307	255.181	255.057	254.907	254.818	254.800	254.786	7
8	254.943	254.917	254.881	254.871	255.121	255.316	255.181	255.055	254.904	254.820	254.794	254.779	8
9	254.936	254.917	254.876	254.868	255.134	255.316	255.177	255.057	254.899	254.815	254.798	254.779	9
10	254.936	254.916	254.888	254.866	255.151	255.311	255.172	255.053	254.899	254.817	254.826	254.786	10
11	254.939	254.909	254.885	254.866	255.169	255.313	255.164	255.050	254.897	254.817	254.821	254.776	11
12	254.934	254.905	254.889	254.869	255.181	255.316	255.159	255.045	254.894	254.821	254.813	254.775	12
13	254.934	254.906	254.895	254.861	255.192	255.313	255.161	255.036	254.883	254.818	254.809	254.770	13
14	254.937	254.905	254.894	254.867	255.196	255.302	255.160	255.034	254.881	254.813	254.809	254.774	14
15	254.928	254.905	254.900	254.855	255.202	255.296	255.157	255.017	254.872	254.805	254.809	254.771	15
16	254.925	254.903	254.902	254.855	255.208	255.289	255.157	255.024	254.867	254.810	254.802	254.775	16
17	254.921	254.914	254.902	254.857	255.218	255.280	255.145	255.021	254.869	254.812	254.795	254.788	17
18	254.919	254.916	254.898	254.853	255.223	255.277	255.145	255.012	254.848	254.811	254.790	254.787	18
19	254.919	254.911	254.900	254.851	255.242	255.266	255.139	255.008	254.857	254.807	254.770	254.781	19
20	254.919	254.914	254.902	254.850	255.263	255.266	255.112	255.004	254.859	254.803	254.771	254.777	20
21	254.916	254.913	254.899	254.852	255.277	255.263	255.115	254.996	254.855	254.801	254.766	254.768	21
22	254.917	254.906	254.900	254.851	255.291	255.261	255.118	254.982	254.848	254.800	254.763	254.771	22
23	254.915	254.900	254.896	254.848	255.301	255.250	255.101	254.971	254.843	254.796	254.774	254.770	23
24	254.910	254.897	254.888	254.852	255.304	255.252	255.090	254.958	254.844	254.793	254.776	254.764	24
25	254.917	254.898	254.883	254.860	255.309	255.250	255.089	254.944	254.843	254.795	254.781	254.782	25
26	254.915	254.895	254.880	254.867	255.312	255.242	255.091	254.929	254.827	254.794	254.783	254.767	26
27	254.930	254.897	254.880	254.871	255.310	255.234	255.092	254.931	254.823	254.792	254.783	254.772	27
28	254.921	254.901	254.886	254.886	255.310	255.245	255.087	254.929	254.820	254.776	254.780	254.775	28
29	254.917		254.878	254.907	255.318	255.245	255.085	254.925	254.823	254.762	254.779	254.786A	29
30	254.915		254.890	254.937	255.323	255.240	255.075	254.930	254.822	254.764	254.780	254.788E	30
31	254.919		254.879		255.328		255.069	254.931		254.755		254.788E	31
MEAN	254.929	254.910	254.890	254.867	255.199	255.287	255.146	255.009	254.873	254.805	254.785	254.779	MEAN
MAX	254.948	254.924	254.902	254.937	255.328	255.334	255.223	255.068	254.932	254.827	254.827	254.790	MAX
MIN	254.910	254.895	254.876	254.848	254.965	255.234	255.069	254.925	254.820	254.755	254.702	254.764	MIN

WATER LEVELS IN METRES

MEAN, 254.957
MAXIMUM DAILY, 255.334 ON JUN 4
MINIMUM DAILY, 254.702 ON NOV 1
MAXIMUM INSTANTANEOUS,
255.349 AT 22:43 CST ON JUN 3

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 47 00 N
LONG 99 58 00 W

A - MANUAL GAUGE

E - ESTIMATED

DRAINAGE AREA,
5 050 km²

WEST SQUIRREL CREEK NEAR AUSTIN - STATION NO. 05LL001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.274B	0.098E	0.163	0.117	0.126	0.011	0.131	---	---	1
2	---	---	0 B	0.267B	0.090E	0.129	0.140	0.117	0.026	0.120	---	---	2
3	---	---	0 B	0.257B	0.080E	0.111	0.137	0.118	0.031	0.100	---	---	3
4	---	---	0 B	0.252B	0.077E	0.098	0.118	0.106	0.038	0.083	---	---	4
5	---	---	0 B	0.241B	0.074A	0.206	0.180	0.073	0.038	0.069	---	---	5
6	---	---	0 B	0.231B	0.097	0.192	0.222	0.062	0.030	0.053	---	---	6
7	---	---	0 B	0.228B	0.191	0.298	0.210	0.048	0.029	0.054	---	---	7
8	---	---	0 B	0.223B	0.091	0.329	0.195	0.036E	0.024	0.058	---	---	8
9	---	---	0 B	0.220B	0.069	0.302	0.173	0.025E	0.019	0.064	---	---	9
10	---	---	0 B	0.217B	0.101	0.233	0.141	0.011E	0.014	0.120	---	---	10
11	---	---	0 B	0.232B	0.203	0.173	0.119	0.004	0.008	0.305	---	---	11
12	---	---	0 B	1.25 B	0.274	0.147	0.097	0.001	0.004	0.425	---	---	12
13	---	---	0 B	1.42 B	0.327	0.189	0.101	0.001	0.001	0.461	---	---	13
14	---	---	0 B	1.52 B	0.207	0.170	0.151	0.002	0	0.430	---	---	14
15	---	---	0 B	1.79 B	0.220	0.168	0.159	0.010	0	0.386	---	---	15
16	---	---	0 B	1.54 E	0.370	0.154	0.481	0.006	0	0.326	---	---	16
17	---	---	0 B	1.17 E	0.508	0.157	3.23	0.001	0	0.260	---	---	17
18	---	---	0 B	0.963E	0.716	0.156	3.69	0.028	0	0.246	---	---	18
19	---	---	0 B	0.707E	0.621	0.152	3.26	0.029	0	0.224	---	---	19
20	---	---	0 B	0.421A	0.482	0.195	1.86	0.009	0	0.207	---	---	20
21	---	---	0 B	0.323E	0.381	0.323	0.865	0.008	0	0.181	---	---	21
22	---	---	0 B	0.268E	0.291	0.230	0.445	0.003	0	0.166	---	---	22
23	---	---	0 B	0.232E	0.238	0.270	0.343	0.002	0	0.162	---	---	23
24	---	---	0 B	0.213E	0.253	0.284	0.277	0.001	0	0.156	---	---	24
25	---	---	0 B	0.195E	0.249	0.276	0.203	0.003	0	0.150	---	---	25
26	---	---	0 B	0.188A	0.187	0.260	0.155	0.147	0	0.142	---	---	26
27	---	---	0 B	0.160E	0.339	0.229	0.184	0.056	0	0.138	---	---	27
28	---	---	0.086B	0.140E	0.300	0.198	0.413	0.029	0.054	0.198	---	---	28
29	---		0.292B	0.127E	0.170	0.178	0.349	0.021	0.260	0.284	---	---	29
30	---		0.287B	0.113E	0.134	0.152	0.167	0.018	0.192	0.284	---	---	30
31	---		0.283B		0.115		0.144	0.010		0.272		---	31
TOTAL	---	---	0.948	15.382	7.553	6.082	18.326	1.107	0.779	6.250	---	---	TOTAL
MEAN	---	---	0.031	0.513	0.244	0.203	0.591	0.036	0.026	0.202	---	---	MEAN
MAX	---	---	0.292	1.79	0.716	0.329	3.69	0.147	0.260	0.461	---	---	MAX
MIN	---	---	0	0.113	0.069	0.098	0.097	0.001	0	0.053	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.230
MAXIMUM DAILY, 3.69 ON JUL 18
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.81 AT 00:49 CST ON JUL 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 00 N
LONG 98 56 50 W
DRAINAGE AREA, 156 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 580
FEB	---	AUG	95.6
MAR	81.9	SEP	67.3
APR	1 330	OCT	540
MAY	653	NOV	---
JUN	525	DEC	---

TOTAL DISCHARGE, 4 870 dam³

WHITEMOUTH LAKE NEAR THE OUTLET - STATION NO. 05PH005

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	343.948	343.955	343.972	344.027	343.949	343.951	---	---	1
2	---	---	---	---	343.958	343.982	343.975	344.052	343.935	343.962	---	---	2
3	---	---	---	---	343.984	343.995	344.004	344.024	343.952	343.963	---	---	3
4	---	---	---	---	343.974	343.990	344.020	344.027	343.945	343.967	---	---	4
5	---	---	---	---	343.952	344.003	344.047	344.025	343.939	343.952	---	---	5
6	---	---	---	---	343.957	343.996	344.024	344.033	343.955	343.957	---	---	6
7	---	---	---	---	343.930	343.964	343.988	344.014	343.971	343.986	---	---	7
8	---	---	---	---	343.936	343.977	344.009	343.979	343.965	343.996	---	---	8
9	---	---	---	---	343.947	343.975	344.012	343.996	343.965	343.987	---	---	9
10	---	---	---	---	343.960	343.991	344.008	344.008	343.959	343.991	---	---	10
11	---	---	---	---	343.953	343.992	343.999	344.017	343.935	344.004	---	---	11
12	---	---	---	---	343.973	343.988	344.001	344.028	343.941	344.010	---	---	12
13	---	---	---	---	343.961	344.003	343.999	343.999	343.937	344.022	---	---	13
14	---	---	---	343.853A	343.961	343.998	344.007	344.010	343.923	344.009	---	---	14
15	---	---	---	343.872	343.974	343.998	344.016	343.993	343.934	343.996	---	---	15
16	---	---	---	343.887	343.992	344.004	344.015	343.988	343.944	344.028	---	---	16
17	---	---	---	343.897	344.005	343.994	344.017	343.988	343.920	344.046	---	---	17
18	---	---	---	343.906	343.985	343.994	343.998	343.998	343.932	344.012	---	---	18
19	---	---	---	343.909	343.986	344.007	344.014	343.980	343.913	344.010	---	---	19
20	---	---	---	343.913	344.002	343.991	344.002	343.977	343.919	344.012	---	---	20
21	---	---	---	343.918	344.006	343.995	343.987	343.991	343.933	344.032	---	---	21
22	---	---	---	343.925	344.005	344.003	343.994	343.977	343.945	344.030	---	---	22
23	---	---	---	343.931	344.009	344.009	344.010	343.980	343.916	344.038	---	---	23
24	---	---	---	343.933	344.007	343.963	344.020	343.968	343.919	344.028	---	---	24
25	---	---	---	343.935	344.001	343.988	344.016	343.963	343.941	344.029	---	---	25
26	---	---	---	343.934	344.000	343.996	344.016	343.963	343.923	344.037	---	---	26
27	---	---	---	343.943	343.998	343.971	344.014	343.953	343.921	344.043	---	---	27
28	---	---	---	343.947	343.999	343.972	344.013	343.972	343.991	344.034	---	---	28
29	---		---	343.974	343.992	343.967	344.014	343.949	343.963	344.022	---	---	29
30	---		343.893A	343.946	343.988	343.969	344.024	343.955	343.946	344.023	---	---	30
31	---		---		343.974		344.022	343.963		344.026		---	31
MEAN	---	---	---	---	343.978	343.988	344.008	343.993	343.941	344.007	---	---	MEAN
MAX	---	---	---	---	344.009	344.009	344.047	344.052	343.991	344.046	---	---	MAX
MIN	---	---	---	---	343.930	343.955	343.972	343.949	343.913	343.951	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 344.052 ON AUG 2

MAXIMUM INSTANTANEOUS,
344.153 AT 01:45 CST ON JUL 5

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 16 40 N
LONG 95 41 50 W

A - MANUAL GAUGE

REGULATED

WHITEMOUTH RIVER NEAR WHITEMOUTH - STATION NO. 05PH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.629B	0.037B	0.153B	9.83 B	36.7	19.3	7.13	36.8	3.57	7.05A	17.3	1.52 B	1
2	0.596B	0.023B	0.177B	7.77 B	35.2	18.9	6.70	33.3	3.55	7.12	16.5	2.17 B	2
3	0.588B	0.013B	0.197B	6.64 B	33.7	18.4	12.8	33.8	3.50	7.10	15.8	3.61 B	3
4	0.578B	0.009B	0.204B	4.49 B	36.5	17.2	38.6	32.9	3.43	8.08	15.0 B	4.83 B	4
5	0.560B	0.009B	0.226B	3.21 B	38.9	16.1	50.4	29.7	3.25	8.94	13.9 B	3.93 B	5
6	0.561B	0.010B	0.234B	8.15 B	37.4	16.3	60.7	25.9	3.02	9.11	12.8 B	4.37 B	6
7	0.563B	0.014B	0.205B	6.37 B	34.7	22.6	66.0	23.4	2.89	10.6	11.8 B	4.11 B	7
8	0.540B	0.058B	0.169B	3.47 B	32.3	29.3	63.4	22.0	2.79	14.1	11.4 B	2.93 B	8
9	0.481B	0.101B	0.132B	2.05 B	30.4	30.1	55.8	20.2	2.68	18.5	10.9 B	1.93 B	9
10	0.429B	0.125B	0.086B	1.61 B	29.8	33.2	48.1	18.1	2.76	20.2	8.66B	1.39 B	10
11	0.420B	0.150B	0.062B	0.813B	31.4	34.9	41.1	15.8	2.85	24.6 A	9.77B	1.13 B	11
12	0.392B	0.136B	0.045B	2.56 B	33.0	32.9	35.5	13.7	2.64	27.1 E	13.0 B	0.971B	12
13	0.157B	0.152B	0.062B	12.2 B	33.5	29.8	30.8	12.0	2.58	29.6 E	9.76B	0.822B	13
14	0.479B	0.178B	0.078B	20.2 B	33.0	29.5	27.1	10.9	2.57	28.7 E	10.7 B	0.786B	14
15	0.507B	0.184B	0.124B	37.5 B	32.2	30.3	25.5	10.1	2.58	28.0 E	10.5 B	0.777B	15
16	0.180B	0.169B	0.107B	78.3 B	32.5	27.5	24.0	9.38	2.90	27.2 E	8.02B	0.766B	16
17	0.268B	0.178B	0.086B	86.3 B	35.2	24.9	29.7	8.70	3.00	26.4 E	6.12B	0.751B	17
18	0.367B	0.216B	0.072B	92.1 B	39.0	22.3	34.2	8.13	2.96	25.6 E	4.94B	0.746B	18
19	0.044B	0.253B	0.063B	84.5 B	44.8	19.8	34.7	7.43	2.74	24.9 E	4.23B	0.717B	19
20	0.041B	0.281B	0.059B	69.1	47.2	18.3	32.7	6.98	2.62	24.1 E	3.96B	0.696B	20
21	0.409B	0.311B	0.072B	62.6	45.0	17.8	30.1	6.82	2.52	23.4 E	3.89B	0.653B	21
22	0.278B	0.354B	0.102B	57.8	41.6	16.5	27.0	6.53	2.46	22.6 E	4.23B	0.584B	22
23	0.039B	0.371B	0.141B	55.1	38.0	15.6	23.6	6.01	2.42	21.8 E	4.62B	0.568B	23
24	0.504B	0.376B	0.183B	53.5	34.5	14.6	33.1	5.81	2.28	20.9 E	3.93B	0.594B	24
25	0.346B	0.318B	0.176B	51.5	31.7	13.6	54.4	5.60	2.17	20.2 A	3.32B	0.612B	25
26	0.096B	0.209B	0.162B	48.6	29.2	12.4	56.0	5.40	2.06	19.8	2.86B	0.613B	26
27	0.071B	0.166B	0.110B	44.8	27.2	11.3	51.2	5.02	2.13	19.5	2.49B	0.556B	27
28	0.054B	0.131B	0.180B	41.7	25.3	10.2	43.8	4.70	2.78	19.1	2.17B	0.479B	28
29	0.042B		0.681B	39.8	23.4	9.06	39.8	4.37	3.05A	18.9	1.82B	0.447B	29
30	0.047B		2.41 B	38.2	21.6	8.02	42.0	4.22	5.05E	18.5	1.66B	0.414B	30
31	0.049B		8.61 B		20.1		42.0	3.87		18.1		0.395B	31
TOTAL	10.315	4.532	15.368	1 030.763	1 045.0	620.28	1 167.93	437.57	85.80	599.80	246.05	44.867	TOTAL
MEAN	0.333	0.162	0.496	34.4	33.7	20.7	37.7	14.1	2.86	19.3	8.20	1.45	MEAN
MAX	0.629	0.376	8.61	92.1	47.2	34.9	66.0	36.8	5.05	29.6	17.3	4.83	MAX
MIN	0.039	0.009	0.045	0.813	20.1	8.02	6.70	3.87	2.06	7.05	1.66	0.395	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 14.5
MAXIMUM DAILY, 92.1B ON APR 18
MINIMUM DAILY, 0.009B ON FEB 4
MAXIMUM INSTANTANEOUS,
117B AT 21:09 CST ON APR 18

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 56 20 N
LONG 95 57 20 W
DRAINAGE AREA, 3 700 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	891	JUL	101 000
FEB	392	AUG	37 800
MAR	1 330	SEP	7 410
APR	89 100	OCT	51 800
MAY	90 300	NOV	21 300
JUN	53 600	DEC	3 880

TOTAL DISCHARGE, 459 000 dam³

WHITEMUD RIVER ABOVE NEEPAWA RESERVOIR - STATION NO. 05LL013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.152B	0.379B	0.495	0.303	0.438	0.082	0.254	0.477	---	---	1
2	---	---	0.152B	0.380B	0.442	0.191	0.418	0.069	0.267	0.473	---	---	2
3	---	---	0.152B	0.379B	0.401	0.438	0.404	0.069	0.277	0.466	---	---	3
4	---	---	0.150B	0.377B	0.382	0.301	0.401	0.063	0.287	0.459	---	---	4
5	---	---	0.150B	0.373B	0.331	0.188	0.417	0.059	0.298	0.448	---	---	5
6	---	---	0.149B	0.369B	0.321	0.267	0.418	0.064	0.309	0.437	---	---	6
7	---	---	0.149B	0.366B	0.325	0.471	0.442	0.051	0.338	0.436	---	---	7
8	---	---	0.147B	0.362B	0.315	0.529	0.434	0.049	0.383	0.434	---	---	8
9	---	---	0.147B	0.358B	0.295	0.460	0.425	0.040	0.368	0.438	---	---	9
10	---	---	0.147B	0.355B	0.321	0.378	0.431	0.032	0.357	0.449	---	---	10
11	---	---	0.146B	0.438B	0.423	0.300	0.409	0.028	0.355	0.469	---	---	11
12	---	---	0.146B	0.693B	0.452	0.261	0.407	0.028	0.354	0.467	---	---	12
13	---	---	0.146B	1.12 B	0.433	0.222	0.403	0.024	0.358	0.457	---	---	13
14	---	---	0.145B	1.23 B	0.400	0.234	0.398	0.025	0.367	0.451	---	---	14
15	---	---	0.145B	1.54 B	0.444	0.205	0.389	0.037	0.369	0.442	---	---	15
16	---	---	0.145B	1.88 B	0.536	0.177	0.405	0.044	0.369	0.442	---	---	16
17	---	---	0.143B	3.21 B	0.694	0.162	0.421	0.048	0.379	0.440	---	---	17
18	---	---	0.143B	3.64 B	0.620	0.156	0.514	0.071	0.383	0.429	---	---	18
19	---	---	0.143B	3.53 B	0.545	0.171	0.586	0.069	0.387	0.419	---	---	19
20	---	---	0.142B	2.78 B	0.480	0.161	0.624	0.080	0.386	0.419	---	---	20
21	---	---	0.142B	2.43 B	0.396	0.158	0.584	0.096	0.390	0.419	---	---	21
22	---	---	0.141B	1.94 B	0.340	0.179	0.421	0.132	0.390	0.415	---	---	22
23	---	---	0.141B	1.46	0.331	0.227	0.317	0.150	0.399	0.417	---	---	23
24	---	---	0.139B	1.30	0.302	0.273	0.240	0.162	0.400	0.417	---	---	24
25	---	---	0.139B	1.15	0.287	0.325	0.174	0.181	0.404	0.414	---	---	25
26	---	---	0.138B	1.01	0.281	0.371	0.125	0.199	0.410	0.411	---	---	26
27	---	---	0.138B	0.875	0.306	0.444	0.119	0.206	0.425	0.415	---	---	27
28	---	---	0.142B	0.745	0.194	0.380	0.112	0.221	0.484	0.431	---	---	28
29	---		0.167B	0.629	0.167	0.408	0.106	0.227	0.531	0.440	---	---	29
30	---		0.227B	0.553	0.149	0.422	0.101	0.240	0.530	0.435	---	---	30
31	---		0.340B		0.203		0.092	0.249		0.430		---	31
TOTAL	---	---	4.793	35.851	11.611	8.758	11.169	3.095	11.208	13.592	---	---	TOTAL
MEAN	---	---	0.155	1.20	0.375	0.292	0.360	0.100	0.374	0.438	---	---	MEAN
MAX	---	---	0.340	3.64	0.694	0.529	0.624	0.249	0.531	0.477	---	---	MAX
MIN	---	---	0.138	0.355	0.149	0.154	0.092	0.024	0.254	0.411	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.488
MAXIMUM DAILY, 3.64B ON APR 18
MINIMUM DAILY, 0.024 ON AUG 13
MAXIMUM INSTANTANEOUS,
3.83 AT 13:30 CST ON APR 17

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 10 54 N
LONG 99 23 55 W
DRAINAGE AREA, 414 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	965
FEB	---	AUG	267
MAR	414	SEP	968
APR	3 100	OCT	1 170
MAY	1 000	NOV	---
JUN	757	DEC	---

TOTAL DISCHARGE, 8 640 dam³

WHITEMUD RIVER AT WESTBOURNE - STATION NO. 05LL002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.345B	0.176B	0.321B	1.85B	9.19	6.37	2.36	3.13	0.774	2.56	4.14	0.761B	1
2	0.339B	0.172B	0.263B	1.82B	8.91	4.73	2.30	2.83	0.793	4.13	4.39	0.943B	2
3	0.314B	0.167B	0.257B	2.03B	8.59	4.27	2.28	2.55	0.767	3.87	4.16	1.03 B	3
4	0.294B	0.159B	0.250B	2.30B	8.41	4.13	2.11	2.32	0.683	3.31	3.04	0.973B	4
5	0.294B	0.152B	0.224B	2.79B	8.11	4.00	2.05	2.19	0.674	3.18	2.99	0.932B	5
6	0.300B	0.149B	0.223B	4.28B	7.80	4.17	2.06	2.06	0.650	2.68	2.32 B	0.865B	6
7	0.290B	0.143B	0.216B	4.19B	7.81	4.75	2.07	1.96	0.640	2.05	2.46 B	0.806B	7
8	0.279B	0.150B	0.210B	3.17B	7.78	5.08	2.28	1.74	0.619	2.12	2.89 B	0.869B	8
9	0.247B	0.152B	0.207B	3.60B	7.70	6.21	2.47	1.70	0.599	2.12	2.65 B	0.883B	9
10	0.229B	0.166B	0.201B	3.26B	7.80	6.89	2.55	1.68	0.579	2.23	2.43 B	0.816B	10
11	0.217B	0.161B	0.197B	4.18B	7.87	7.12	2.27	1.64	0.591	2.43	2.18 B	0.840B	11
12	0.211B	0.155B	0.198B	6.08B	8.10	6.95	2.09	1.52	0.602	2.63	1.66 B	0.836B	12
13	0.191B	0.145B	0.224B	6.87B	8.75	6.19	2.02	1.18	0.614	3.89	2.27 B	0.806B	13
14	0.181B	0.136B	0.273B	9.93B	9.21	5.56	2.05	1.18	0.828	4.68	2.03 B	0.706B	14
15	0.152B	0.136B	0.323B	16.4 B	9.33	4.94	2.05	1.21	0.851	4.87	2.01 B	0.662B	15
16	0.149B	0.132B	0.379B	27.7 B	9.53	4.59	2.81	1.16	0.585	4.85	1.99 B	0.616B	16
17	0.149B	0.142B	0.424B	42.1 B	10.3	4.23	2.49	1.04	0.512	4.71	1.96 B	0.612B	17
18	0.145B	0.138B	0.487B	53.3 B	12.2	3.91	4.01	1.08	0.433	3.79	1.94 B	0.606B	18
19	0.135B	0.157B	0.535B	53.9 B	14.5	3.63	9.24	1.10	0.417	3.30	1.88 B	0.616B	19
20	0.105B	0.159B	0.548B	33.5 B	15.7	3.45	11.4	1.06	0.422	3.14	1.87 B	0.612B	20
21	0.099B	0.161B	0.572B	29.5	14.8	3.23	11.4	0.989	0.467	2.96	1.65 B	0.604B	21
22	0.081B	0.182B	0.603B	26.1	13.7	2.99	11.4	1.10	0.551	2.90	1.58 B	0.602B	22
23	0.067B	0.179B	0.626B	21.1	14.7	3.00	9.94	1.09	0.617	2.82	1.43 B	0.601B	23
24	0.068B	0.205B	0.669B	17.8	15.8	2.90	7.65	1.02	0.575	2.68	1.26 B	0.594B	24
25	0.064B	0.273B	0.728B	15.7	16.6	2.71	6.42	0.987	0.582	2.60	1.11 B	0.597B	25
26	0.069B	0.330B	0.789B	13.9	13.7	2.69	5.57	0.951	0.642	2.63	0.972B	0.603B	26
27	0.085B	0.345B	0.814B	12.4	8.17	2.70	5.01	0.925	0.700	2.56	0.887B	0.606B	27
28	0.134B	0.339B	0.780B	11.3	7.93	2.66	4.37	0.890	1.10	2.55	0.844B	0.580B	28
29	0.159B		0.880B	10.4	7.49	2.45	4.06	0.853	1.38	2.59	0.813B	0.574B	29
30	0.171B		1.84 B	8.81	7.43	2.34	3.40	0.832	1.27	2.74	0.799B	0.581B	30
31	0.177B		2.06 B		7.19		3.20	0.789		3.40		0.587B	31
TOTAL	5.740	5.061	16.321	450.26	315.10	128.84	135.38	48.756	20.517	96.97	62.605	22.319	TOTAL
MEAN	0.185	0.181	0.526	15.0	10.2	4.29	4.37	1.48	0.684	3.13	2.09	0.720	MEAN
MAX	0.345	0.345	2.06	53.9	16.6	7.12	11.4	3.13	1.38	4.87	4.39	1.03	MAX
MIN	0.064	0.132	0.197	1.82	7.19	2.34	2.02	0.789	0.417	2.05	0.799	0.574	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.57
MAXIMUM DAILY, 53.9B ON APR 19
MINIMUM DAILY, 0.064B ON JAN 25

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 03 N
LONG 98 35 00 W
DRAINAGE AREA, 6 320 km²

B - ICE CONDITIONS

REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	496	JUL	11 700
FEB	437	AUG	3 870
MAR	1 410	SEP	1 770
APR	38 900	OCT	8 380
MAY	27 200	NOV	5 410
JUN	11 100	DEC	1 930

TOTAL DISCHARGE, 113 000 dam³

WHITEMUD RIVER NEAR KEYES - STATION NO. 05LL005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.090B	0.081B	0.103B	0.723B	1.65	0.913	0.635	0.922	0.214	0.719	0.850	0.171B	1
2	0.084B	0.082B	0.104B	1.69 B	1.41	0.859	0.629	0.900	0.252	0.552	0.812	0.220B	2
3	0.083B	0.082B	0.107B	2.82 B	1.29	0.785	0.614	0.821	0.247	0.492	0.869	0.292B	3
4	0.085B	0.084B	0.106B	1.20 B	1.26	0.747	0.569	0.713	0.276	0.461	0.792B	0.328B	4
5	0.090B	0.084B	0.106B	0.925B	1.19	0.755	0.597	0.631	0.274	0.439	0.739B	0.359B	5
6	0.089B	0.084B	0.106B	0.724B	1.14	0.803	0.541	0.579	0.254	0.468	0.722B	0.308B	6
7	0.088B	0.084B	0.107B	0.645B	1.08	1.15	0.485	0.488	0.222	0.436	0.711B	0.237B	7
8	0.087B	0.084B	0.105B	1.34 B	1.08	1.32	0.451	0.412	0.153	0.420	0.699B	0.174B	8
9	0.084B	0.085B	0.104B	1.50 B	1.06	1.59	0.407	0.378	0.165	0.463	0.684B	0.127B	9
10	0.084B	0.085B	0.100B	1.02 B	1.10	1.65	0.397	0.362	0.133	0.526	0.638B	0.118B	10
11	0.083B	0.085B	0.103B	0.941B	1.18	1.62	0.587	0.298	0.131	0.617	0.586B	0.090B	11
12	0.082B	0.082B	0.101B	1.21 B	1.45	1.36	0.460	0.250	0.133	0.718	0.550B	0.077B	12
13	0.081B	0.086B	0.114B	4.21 B	1.61	1.14	0.428	0.234	0.106	0.768	0.507B	0.082B	13
14	0.079B	0.087B	0.147B	14.1 B	1.70	1.01	0.410	0.228	0.084	0.698	0.487B	0.090B	14
15	0.078B	0.084B	0.193B	16.8 B	1.77	1.00	0.381	0.222	0.077	0.636	0.442B	0.099B	15
16	0.077B	0.084B	0.214B	16.1 B	1.99	0.930	0.664	0.239	0.123	0.587	0.421B	0.105B	16
17	0.076B	0.085B	0.128B	14.8 B	3.78	0.843	2.05	0.190	0.131	0.576	0.382B	0.114B	17
18	0.075B	0.085B	0.144B	14.1 B	6.19	0.764	2.91	0.206	0.145	0.571	0.387B	0.125B	18
19	0.075B	0.087B	0.181B	13.9	6.50	0.727	3.70	0.308	0.166	0.582	0.319B	0.138B	19
20	0.075B	0.091B	0.147B	12.8	5.69	0.658	4.51	0.311	0.248	0.610	0.345B	0.154B	20
21	0.076B	0.097B	0.140B	11.1	4.38	0.627	4.99	0.321	0.189	0.577	0.309B	0.164B	21
22	0.077B	0.099B	0.148B	8.58	3.35	0.638	5.31	0.255	0.157	0.570	0.261B	0.170B	22
23	0.077B	0.096B	0.187B	6.71	2.49	0.631	5.69	0.264	0.177	0.587	0.213B	0.175B	23
24	0.078B	0.097B	0.260B	5.55	1.93	0.613	5.28	0.272	0.274	0.621	0.183B	0.186B	24
25	0.078B	0.098B	0.254B	5.07	1.60	0.566	3.80	0.286	0.236	0.612	0.156B	0.203B	25
26	0.078B	0.099B	0.232B	4.63	1.47	0.580	2.37	0.267	0.198	0.615	0.115B	0.207B	26
27	0.079B	0.101B	0.228B	3.74	1.35	0.577	1.79	0.222	0.221	0.641	0.100B	0.212B	27
28	0.079B	0.101B	0.238B	2.94	1.25	0.753	1.41	0.225	0.433	0.669	0.116B	0.231B	28
29	0.080B		0.356B	2.29	1.18	0.743	1.31	0.221	0.590	0.748	0.131B	0.240B	29
30	0.080B		0.527B	1.88	1.09	0.683	1.13	0.217	0.868	0.794	0.150B	0.256B	30
31	0.080B		0.756B		0.990		1.01	0.213		0.873		0.244B	31
TOTAL	2.507	2.479	5.846	174.038	65.200	27.035	55.515	11.451	6.877	18.646	13.676	5.702	TOTAL
MEAN	0.081	0.089	0.189	5.80	2.10	0.901	1.79	0.369	0.229	0.601	0.456	0.184	MEAN
MAX	0.090	0.101	0.756	16.8	6.50	1.65	5.69	0.922	0.868	0.873	0.869	0.359	MAX
MIN	0.075	0.081	0.100	0.645	0.990	0.566	0.381	0.190	0.077	0.420	0.100	0.077	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.07
MAXIMUM DAILY, 16.8B ON APR 15
MINIMUM DAILY, 0.075B ON JAN 18
MAXIMUM INSTANTANEOUS,
26.3B AT 13:52 CST ON APR 16

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 15 N
LONG 99 06 10 W
DRAINAGE AREA, 1 750 km²

B - ICE CONDITIONS

REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	217	JUL	4 880
FEB	214	AUG	989
MAR	505	SEP	594
APR	15 090	OCT	1 610
MAY	5 630	NOV	1 180
JUN	2 340	DEC	493

TOTAL DISCHARGE, 33 600 dam³

WHITEMUD RIVER NEAR MEEPAWA - STATION NO. 05LL011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.253B	0.189B	0.854	0.279	0.265	0.617	0.256	0.195	---	---	1
2	---	---	0.253B	0.174B	0.765	0.280	0.279	0.535	0.250	0.197	---	---	2
3	---	---	0.253B	0.166B	0.742	0.288	0.266	0.470	0.246	0.202	---	---	3
4	---	---	0.253B	0.164B	0.657	0.306	0.264	0.393	0.250	0.197	---	---	4
5	---	---	0.253B	0.166B	0.576	0.332	0.249	0.341	0.253	0.212	---	---	5
6	---	---	0.253B	0.166B	0.536	0.403	0.243	0.327	0.255	0.221	---	---	6
7	---	---	0.253B	0.169B	0.503	0.535	0.238	0.303	0.259	0.221	---	---	7
8	---	---	0.253B	0.179B	0.490	0.594	0.237	0.285	0.259	0.208	---	---	8
9	---	---	0.253B	0.214B	0.477	0.637	0.237	0.228	0.266	0.247	---	---	9
10	---	---	0.253B	0.245B	0.516	0.552	0.249	0.217	0.269	0.265	---	---	10
11	---	---	0.253B	0.325B	0.582	0.473	0.252	0.225	0.262	0.237	---	---	11
12	---	---	0.253B	0.854B	0.640	0.400	0.253	0.248	0.277	0.214	---	---	12
13	---	---	0.253B	1.57 B	0.660	0.372	0.274	0.254	0.282	0.223	---	---	13
14	---	---	0.253B	1.84 B	0.631	0.397	0.261	0.261	0.286	0.228	---	---	14
15	---	---	0.253B	3.02 B	0.650	0.350	0.273	0.255	0.278	0.230	---	---	15
16	---	---	0.253B	3.95 B	0.742	0.323	0.570	0.256	0.279	0.232	---	---	16
17	---	---	0.253B	3.72 B	0.881	0.316	0.973	0.259	0.283	0.276	---	---	17
18	---	---	0.253B	4.47 B	0.991	0.268	1.40	0.296	0.270	0.285	---	---	18
19	---	---	0.253B	4.40 B	0.950	0.290	1.74	0.278	0.272	0.292	---	---	19
20	---	---	0.253B	4.04 B	0.883	0.263	1.90	0.278	0.276	0.306	---	---	20
21	---	---	0.253B	3.65	0.806	0.254	2.02	0.287	0.188	0.322	---	---	21
22	---	---	0.253B	3.15	0.735	0.382	2.01	0.316	0.208	0.315	---	---	22
23	---	---	0.253B	2.60	0.646	0.365	1.87	0.296	0.207	0.331	---	---	23
24	---	---	0.258B	2.31	0.551	0.353	1.65	0.283	0.209	0.323	---	---	24
25	---	---	0.258B	1.97	0.501	0.316	1.37	0.287	0.202	0.312	---	---	25
26	---	---	0.261B	1.68	0.457	0.333	1.10	0.290	0.210	0.323	---	---	26
27	---	---	0.261B	1.40	0.437	0.295	0.971	0.269	0.221	0.323	---	---	27
28	---	---	0.261B	1.21	0.398	0.269	0.848	0.255	0.262	0.420	---	---	28
29	---		0.264B	1.09	0.347	0.271	0.778	0.306	0.209	0.503	---	---	29
30	---		0.258B	0.895	0.327	0.254	0.748	0.310	0.197	0.490	---	---	30
31	---		0.245B		0.297		0.741	0.281		0.490		---	31
TOTAL	---	---	7.885	49.976	19.228	10.750	24.529	9.526	7.441	8.836	---	---	TOTAL
MEAN	---	---	0.254	1.67	0.620	0.358	0.791	0.307	0.248	0.285	---	---	MEAN
MAX	---	---	0.264	4.47	0.991	0.637	2.02	0.617	0.286	0.503	---	---	MAX
MIN	---	---	0.245	0.164	0.297	0.254	0.237	0.217	0.188	0.195	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.564
MAXIMUM DAILY, 4.47B ON APR 18
MINIMUM DAILY, 0.164B ON APR 4
MAXIMUM INSTANTANEOUS,
4.54B AT 13:57 CST ON APR 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 13 34 N
LONG 99 27 17 W
DRAINAGE AREA, 803 km²

B - ICE CONDITIONS

REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 120
FEB	---	AUG	823
MAR	681	SEP	643
APR	4 320	OCT	763
MAY	1 660	NOV	---
JUN	929	DEC	---

TOTAL DISCHARGE, 11 900 dam³

WHITESHELL RIVER AT OUTLET OF JESSICA LAKE - STATION NO. 05PG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.72	1.55	1.41	2.18	6.32	9.65	1.54	2.15	1.02	1.32	3.58E	2.43	1
2	2.70	1.53	1.42	2.27	6.69	9.65	1.80	2.43	1.00	1.43	3.54E	2.53	2
3	2.71	1.54	1.41	2.43	7.02	9.55	2.57	2.38	1.05	1.44	3.52E	2.60	3
4	2.64	1.53	1.40	2.34	7.31	9.20	2.70	2.31	1.03	1.48	3.50A	2.52	4
5	2.59	1.53	1.41	2.29	7.41	9.16	2.83	2.25	1.00	1.45	3.60	2.49	5
6	2.59	1.52	1.39	2.25	9.96	9.33	2.87	2.17	1.05	4.61	3.65	2.43	6
7	2.54	1.51	1.40	2.23	10.7	9.43	2.67	2.05	1.14	7.54	3.48	2.39	7
8	2.49	1.49	1.39	2.20	10.4	9.29	2.67	1.84	1.12	6.47	3.47	2.32	8
9	2.45	1.48	1.38	2.20	10.4	9.31	2.69	1.81	1.15	5.55	3.43	2.28	9
10	2.37	1.45	1.36	2.23	10.4	9.11	2.65	1.81	1.15	5.25	3.36	2.21	10
11	2.32	1.42	1.35	2.24	10.4	8.85	2.57	1.84	1.10	4.99	3.33	2.17	11
12	2.28	1.40	1.34	2.27	10.4	8.65	2.50	1.83	1.12	4.71	3.23	2.13	12
13	2.22	1.39	1.36	2.33	10.2	8.51	2.43	1.59	1.14	4.52	3.15	2.08	13
14	2.17	1.39	1.34	2.51	10.2	8.35	2.39	1.74	1.10	4.15	3.06	2.05	14
15	2.11	1.39	1.41	2.87	10.3	8.00	2.41	1.80	1.11	3.94	2.99	2.02	15
16	2.05	1.37	1.44	3.44	10.3	7.66	2.38	1.42	1.15	3.97	2.92	2.00	16
17	2.01	1.35	1.46	3.72	10.6	7.32	2.98	0.871	1.08	4.07	2.90	1.99	17
18	1.93	1.32	1.46	4.07	10.6	7.14	2.77	0.934	1.10	3.80A	2.89	1.97	18
19	1.87	1.30	1.44	4.69	11.6	7.06	2.79	0.935	1.08	3.80E	2.88	1.93	19
20	1.80	1.27	1.44	5.27	13.0	6.69	2.63	0.929	1.09	3.78E	3.00	1.92	20
21	1.75	1.25	1.44	5.79	12.5	6.50	2.46	0.958	1.12	3.76E	3.00	1.90	21
22	1.69	1.25	1.45	4.73	12.2	6.36	2.48	0.996	1.15	3.76E	2.90	1.87	22
23	1.69	1.27	1.48	2.88	12.0	6.14	2.47	1.27	1.14	3.74E	2.83	1.93	23
24	1.67	1.28	1.55	3.62	11.6	5.88	2.34	1.00	1.14	3.72E	2.76	1.91	24
25	1.63	1.29	1.59	4.07	11.3	5.37	2.24	0.995	1.19	3.70A	2.68	1.88	25
26	1.60	1.30	1.60	4.68	11.1	5.21	2.19	0.996	1.15	3.79	2.62	1.85	26
27	1.61	1.30	1.62	5.10	11.0	4.81	2.13	0.963	1.16	3.87	2.59	1.82	27
28	1.59	1.36	1.66	5.44	10.8	3.22	2.12	0.998	1.39	3.79	2.54	1.80	28
29	1.58		1.78	5.93	10.6	1.08	2.28	0.985	1.41	3.82	2.51	1.76	29
30	1.57		1.85	6.01	10.4	1.30	2.33	0.989	1.32	3.77	2.45	1.75	30
31	1.57		2.16		10.1		2.23	1.03		3.60A		1.72	31
TOTAL	64.51	39.03	46.11	104.24	317.81	217.38	76.11	46.257	33.95	119.59	92.36	64.65	TOTAL
MEAN	2.08	1.39	1.49	3.47	10.3	7.25	2.46	1.49	1.13	3.86	3.08	2.09	MEAN
MAX	2.72	1.55	2.16	6.01	13.0	9.65	2.98	2.43	1.41	7.54	3.65	2.60	MAX
MIN	1.57	1.25	1.34	2.14	6.32	1.08	1.54	0.871	1.00	1.32	2.45	1.72	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.35
MAXIMUM DAILY, 13.0 ON MAY 20
MINIMUM DAILY, 0.871 ON AUG 17
MAXIMUM INSTANTANEOUS,
13.3 AT 17:52 CST ON MAY 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 20 N
LONG 95 30 20 W
DRAINAGE AREA, 883 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 570	JUL	6 580
FEB	3 370	AUG	4 000
MAR	3 980	SEP	2 930
APR	9 010	OCT	10 300
MAY	27 500	NOV	7 980
JUN	18 800	DEC	5 590

TOTAL DISCHARGE, 106 000 dam³

WHITEWATER LAKE NEAR BOISSEVAIN - STATION NO. 05MG023

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	496.208	496.208	496.132	496.085	495.959	495.920	495.987	---	1
2	---	---	---	---	496.213	496.211	496.122	496.080	495.952	495.931	495.966	---	2
3	---	---	---	---	496.217	496.212	496.108	496.075	495.963	495.934	---	---	3
4	---	---	---	---	496.185	496.205	496.105	496.066	495.953	495.919	---	---	4
5	---	---	---	---	496.190	496.212	496.110	496.066	495.948	495.929	---	---	5
6	---	---	---	---	496.159	496.200	496.093	496.065	495.958	495.925	---	---	6
7	---	---	---	---	496.167	496.182	496.094	496.033	495.948	495.943	---	---	7
8	---	---	---	---	496.181	496.208	496.096	496.032	495.945	495.946	---	---	8
9	---	---	---	---	496.182	496.196	496.102	496.043	495.945	495.932	---	---	9
10	---	---	---	---	496.194	496.199	496.101	496.045	495.942	495.919	---	---	10
11	---	---	---	---	496.201	496.193	496.100	496.057	495.916	495.938	---	---	11
12	---	---	---	---	496.207	496.190	496.094	496.047	495.913	495.946	---	---	12
13	---	---	---	---	496.207	496.190	496.101	496.031	495.912	495.969	---	---	13
14	---	---	---	---	496.205	496.189	496.101	496.050	495.902	495.979	---	---	14
15	---	---	---	---	496.205	496.186	496.117	496.028	495.900	495.968	---	---	15
16	---	---	---	---	496.213	496.175	496.132	496.030	495.902	495.994	495.999A	---	16
17	---	---	---	---	496.211	496.169	496.116	496.025	495.902	495.980	---	---	17
18	---	---	---	---	496.213	496.169	496.124	496.018	495.895	495.964	---	---	18
19	---	---	---	---	496.218	496.146	496.126	496.011	495.879	495.964	---	---	19
20	---	---	---	---	496.222	496.160	496.112	496.010	495.889	495.965	---	---	20
21	---	---	---	---	496.217	496.165	496.110	496.002	495.895	495.971	---	---	21
22	---	---	---	---	496.216	496.171	496.116	495.994	495.893	495.971	---	---	22
23	---	---	---	---	496.217	496.155	496.102	495.994	495.875	495.977	---	---	23
24	---	---	---	---	496.234	496.141	496.095	495.991	495.885	495.969	---	---	24
25	---	---	---	---	496.240	496.153	496.091	495.979	495.916	495.971	---	---	25
26	---	---	---	---	496.239	496.146	496.091	495.976	495.876	495.977	---	---	26
27	---	---	---	---	496.237	496.138	496.086	495.977	495.870	495.975	---	---	27
28	---	---	---	496.232A	496.234	496.134	496.083	495.998	495.931	495.969	---	---	28
29	---		---	496.244	496.229	496.127	496.078	495.965	495.922	495.975	---	---	29
30	---		---	496.210	496.216	496.129	496.089	495.979	495.908	495.989	---	---	30
31	---		---		496.193		496.081	495.970		495.989		---	31
MEAN	---	---	---	---	496.209	496.175	496.103	496.023	495.916	495.958	---	---	MEAN
MAX	---	---	---	---	496.240	496.212	496.132	496.085	495.963	495.994	---	---	MAX
MIN	---	---	---	---	496.159	496.127	496.078	495.965	495.870	495.919	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 26 N
LONG 100 19 29 W

MAXIMUM DAILY, 496.244 ON APR 29
MINIMUM DAILY, 495.870 ON SEP 27
MAXIMUM INSTANTANEOUS,
496.311 AT 08:48 CST ON APR 29

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WILLOW CREEK NEAR CHATER - STATION NO. 05MH011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	4.37 B	0.171	0.082	0.040	0.259	0	0.003	---	---	1
2	---	---	0 B	5.22 B	0.155	0.083	0.037	0.214	0	0.004	---	---	2
3	---	---	0 B	3.68 B	0.142	0.079	0.034	0.183	0	0.004	---	---	3
4	---	---	0 B	2.40 B	0.130	0.074	0.030	0.156	0	0.004	---	---	4
5	---	---	0 B	1.41 B	0.111	0.071	0.021	0.135	0	0.003	---	---	5
6	---	---	0 B	0.732B	0.104	0.080	0.015	0.124	0	0.004	---	---	6
7	---	---	0 B	0.805B	0.099	0.105	0.014	0.120	0	0.005	---	---	7
8	---	---	0 B	0.974B	0.094	0.096	0.014	0.105	0	0.006	---	---	8
9	---	---	0 B	1.45 B	0.083	0.093	0.011	0.095	0	0.008	---	---	9
10	---	---	0 B	2.19 B	0.105	0.092	0.008	0.086	0	0.009	---	---	10
11	---	---	0 B	1.94 B	0.109	0.081	0.005	0.070	0	0.011	---	---	11
12	---	---	0.001B	4.99 B	0.097	0.080	0.003	0.057	0	0.014	---	---	12
13	---	---	0.002B	8.74 B	0.094	0.077	0.006	0.040	0	0.017	---	---	13
14	---	---	0.005B	5.58 B	0.089	0.081	0.003	0.032	0	0.022	---	---	14
15	---	---	0.020B	18.2 B	0.094	0.078	0.001	0.026	0	0.022	---	---	15
16	---	---	0.035B	6.77	0.097	0.075	0.038	0.019	0	0.019	---	---	16
17	---	---	0.031B	4.03	0.102	0.075	1.46	0.014	0	0.028	---	---	17
18	---	---	0.024B	2.83	0.109	0.076	0.360	0.010	0	0.044	---	---	18
19	---	---	0.020B	2.14	0.110	0.074	0.308	0.006	0	0.066	---	---	19
20	---	---	0.016B	1.64	0.107	0.077	0.277	0.003	0	0.083	---	---	20
21	---	---	0.015B	1.31	0.102	0.083	0.398	0.005	0	0.097	---	---	21
22	---	---	0.028B	1.03	0.096	0.081	0.611	0.001	0	0.114	---	---	22
23	---	---	0.026B	0.785	0.094	0.082	0.750	0	0	0.126	---	---	23
24	---	---	0.018B	0.580	0.095	0.081	0.771	0	0	0.135	---	---	24
25	---	---	0.011B	0.446	0.095	0.073	0.719	0	0	0.149	---	---	25
26	---	---	0.008B	0.358	0.095	0.067	0.636	0	0	0.160	---	---	26
27	---	---	0.005B	0.300	0.095	0.060	0.539	0	0	0.162	---	---	27
28	---	---	0.073B	0.254	0.094	0.052	0.459	0	0.007	0.201	---	---	28
29	---		0.743B	0.219	0.095	0.049	0.385	0	0.006	0.222	---	---	29
30	---		1.01 B	0.194	0.092	0.043	0.334	0	0.004	0.219	---	---	30
31	---		2.50 B		0.092		0.288	0		0.222		---	31
TOTAL	---	---	4.591	85.567	3.247	2.389	8.975	1.760	0.017	2.183	---	---	TOTAL
MEAN	---	---	0.148	2.85	0.105	0.077	0.290	0.057	0.001	0.070	---	---	MEAN
MAX	---	---	2.50	18.2	0.171	0.105	1.46	0.259	0.007	0.222	---	---	MAX
MIN	---	---	0	0.194	0.083	0.043	0.001	0	0	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.443
MAXIMUM DAILY, 18.2B ON APR 15
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 51 32 N
LONG 99 49 34 W
DRAINAGE AREA, 668 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	775
FEB	---	AUG	152
MAR	397	SEP	1.47
APR	7 390	OCT	189
MAY	281	NOV	---
JUN	199	DEC	---

TOTAL DISCHARGE, 9 388 dam³

WILLOW CREEK NEAR GIMLI - STATION NO. 05SB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.90 B	0.556	0.300	---	---	---	---	---	---	1
2	---	---	0 B	1.89 B	0.528	0.295	---	---	---	---	---	---	2
3	---	---	0 B	1.83 B	0.501	0.302	---	---	---	---	---	---	3
4	---	---	0 B	1.67 B	0.529	0.303	---	---	---	---	---	---	4
5	---	---	0 B	1.61 B	0.515	0.314	---	---	---	---	---	---	5
6	---	---	0 B	1.58 B	0.476	0.244	---	---	---	---	---	---	6
7	---	---	0 B	1.64 B	0.479	0.327	---	---	---	---	---	---	7
8	---	---	0 B	1.96 B	0.455	0.337	---	---	---	---	---	---	8
9	---	---	0 B	2.13 B	0.433	0.366	---	---	---	---	---	---	9
10	---	---	0 B	2.90 B	0.440	0.354	---	---	---	---	---	---	10
11	---	---	0 B	3.69 B	0.498	0.330	---	---	---	---	---	---	11
12	---	---	0 B	4.89 B	0.479	0.313	---	---	---	---	---	---	12
13	---	---	0 B	6.32 B	0.461	0.322	---	---	---	---	---	---	13
14	---	---	0 B	7.66 B	0.442	0.323	---	---	---	---	---	---	14
15	---	---	0 B	8.83 B	0.439	0.293	---	---	---	---	---	---	15
16	---	---	0 B	8.53	0.457	0.270	---	---	---	---	---	---	16
17	---	---	0 B	7.46	0.489	0.255	---	---	---	---	---	---	17
18	---	---	0 B	6.72	0.542	0.249	---	---	---	---	---	---	18
19	---	---	0 B	5.98	0.534	0.267	---	---	---	---	---	---	19
20	---	---	0 B	5.04	0.496	0.270	---	---	---	---	---	---	20
21	---	---	0 B	4.00	0.456	0.258	---	---	---	---	---	---	21
22	---	---	0 B	3.11	0.446	0.264	---	---	---	---	---	---	22
23	---	---	0 B	2.41	0.388	0.271	---	---	---	---	---	---	23
24	---	---	0 B	1.93	0.319	0.262	---	---	---	---	---	---	24
25	---	---	0 B	1.41	0.292	0.249	---	---	---	---	---	---	25
26	---	---	0 B	1.03	0.278	0.256	---	---	---	---	---	---	26
27	---	---	0 B	0.863	0.309	0.267	---	---	---	---	---	---	27
28	---	---	0 B	0.753	0.306	0.269	---	---	---	---	---	---	28
29	---		0 B	0.642	0.303	0.262	---	---	---	---	---	---	29
30	---		0.500B	0.588	0.341	0.249	---	---	---	---	---	---	30
31	---		1.94 B		0.339		---	---	---	---	---	---	31
TOTAL	---	---	2.440	100.966	13.526	8.641	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.079	3.37	0.436	0.288	---	---	---	---	---	---	MEAN
MAX	---	---	1.94	8.83	0.556	0.366	---	---	---	---	---	---	MAX
MIN	---	---	0	0.588	0.278	0.244	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.83
MAXIMUM DAILY, 8.83B ON APR 15
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
9.82 AT 00:40 CST ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 34 50 N
LONG 97 02 40 W
DRAINAGE AREA, 156 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	211	SEP	---
APR	8 720	OCT	---
MAY	1 170	NOV	---
JUN	747	DEC	---

TOTAL DISCHARGE, 10 800 dam³

WILSON RIVER NEAR ASHVILLE - STATION NO. 05LJ045

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.002B	0.902	0.407	0.017	0.001	0.013	0.003	---	---	1
2	---	---	0 B	0 B	0.666	0.377	0.024	0.001	0.011	0.003	---	---	2
3	---	---	0 B	0 B	0.541	0.269	0.023	0	0.009	0.003	---	---	3
4	---	---	0 B	0 B	0.569	0.199	0.020	0.001	0.008	0.003	---	---	4
5	---	---	0 B	0 B	0.537	0.145	0.017	0	0.007	0.002	---	---	5
6	---	---	0 B	0 B	0.463	0.130	0.015	0	0.007	0.002	---	---	6
7	---	---	0 B	0 B	0.436	0.102	0.013	0	0.007	0.001A	---	---	7
8	---	---	0 B	0 B	0.361	0.100	0.012	0.021	0.006	0.001E	---	---	8
9	---	---	0 B	0 B	0.294	0.085	0.011	0.246	0.006	0.014E	---	---	9
10	---	---	0 B	0 B	0.273	0.070	0.010	0.140	0.005	0.138E	---	---	10
11	---	---	0 B	0.520B	0.204	0.051	0.009	0.346	0.005	0.113E	---	---	11
12	---	---	0 B	2.65 B	0.625	0.032	0.007	0.208	0.004	0.102E	---	---	12
13	---	---	0 B	3.85 B	0.417	0.035	0.006	0.093	0.004	0.091E	---	---	13
14	---	---	0 B	7.32 B	0.272	0.032	0.005	0.049	0.004	0.082E	---	---	14
15	---	---	0 B	11.6 B	0.216	0.026	0.005	0.057	0.003	0.074E	---	---	15
16	---	---	0 B	16.1 B	0.169	0.024	0.008	0.550	0.002	0.082E	---	---	16
17	---	---	0 B	15.4 B	0.254	0.021	0.009	0.299	0.002	0.321E	---	---	17
18	---	---	0 B	16.9	0.694	0.021	0.005	0.658	0.002	0.198E	---	---	18
19	---	---	0 B	15.1	1.18	0.022	0.003	0.957	0.002	0.135E	---	---	19
20	---	---	0 B	12.4	1.23	0.020	0.003	1.04	0.001	0.102E	---	---	20
21	---	---	0 B	11.1	1.02	0.018	0.002	0.820	0.001	0.082E	---	---	21
22	---	---	0 B	10.0	1.02	0.016	0.002	0.572	0.001	0.065E	---	---	22
23	---	---	0 B	8.68	0.767	0.017	0.002	0.404	0.001	0.050E	---	---	23
24	---	---	0 B	7.46	0.610	0.017	0.001	0.313	0.001	0.044E	---	---	24
25	---	---	0 B	5.35	0.503	0.017	0.001	0.195	0.001	0.033E	---	---	25
26	---	---	0 B	3.72	0.436	0.020	0.001	0.097	0.001	0.025E	---	---	26
27	---	---	0 B	2.43	0.357	0.018	0.001	0.050	0.001	0.022A	---	---	27
28	---	---	0.520B	1.77	0.308	0.016	0.002	0.027	0.004	0.065	---	---	28
29	---		1.09 B	1.31	0.275	0.015	0.001	0.019	0.005	3.15 E	---	---	29
30	---		0.620B	1.04	0.242	0.015	0.001	0.015	0.003	2.67 E	---	---	30
31	---		0.117B		0.232		0.001	0.014		2.14 E		---	31
TOTAL	---	---	2.347	156.622	16.063	2.337	0.237	7.189	0.127	9.816	---	---	TOTAL
MEAN	---	---	0.076	5.15	0.518	0.078	0.008	0.232	0.004	0.317	---	---	MEAN
MAX	---	---	1.09	16.9	1.23	0.407	0.024	1.04	0.013	3.15	---	---	MAX
MIN	---	---	0	0	0.169	0.015	0.001	0	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.787
MAXIMUM DAILY, 16.9 ON APR 18
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 09 30 N
LONG 100 20 00 W
DRAINAGE AREA, 668 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	20.5
FEB	---	AUG	621
MAR	203	SEP	11.8
APR	13 400	OCT	845
MAY	1 390	NOV	---
JUN	302	DEC	---

TOTAL DISCHARGE, 16 700 dam³

WILSON RIVER NEAR DAUPHIN - STATION NO. 05LJ011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.293B	1.48	0.311	0.026	0.134	0.199	0.067	---	---	1
2	---	---	0 B	0.137B	1.24	0.319	0.037	0.146	0.204	0.077	---	---	2
3	---	---	0 B	0 B	0.951	0.462	0.060	0.150	0.212	0.074	---	---	3
4	---	---	0 B	0 B	0.864	0.883	0.060	0.184	0.181	0.072	---	---	4
5	---	---	0 B	0 B	0.800	0.390	0.056	0.187	0.149	0.062	---	---	5
6	---	---	0 B	0 B	0.777	0.350	0.053	0.209	0.130	0.051	---	---	6
7	---	---	0 B	0 B	0.680	0.286	0.048	0.220	0.112	0.044	---	---	7
8	---	---	0 B	0 B	0.579	0.225	0.040	0.194	0.087	0.047	---	---	8
9	---	---	0 B	0 B	0.521	0.209	0.035	0.204	0.066	0.047	---	---	9
10	---	---	0 B	0 B	0.500	0.163	0.032	0.210	0.051	0.054	---	---	10
11	---	---	0 B	0.243B	0.591	0.119	0.034	0.205	0.045	0.068	---	---	11
12	---	---	0 B	1.61 B	0.442	0.114	0.031	0.208	0.036	0.065	---	---	12
13	---	---	0 B	3.98 B	0.714	0.086	0.029	0.209	0.022	0.061	---	---	13
14	---	---	0 B	8.67 B	0.636	0.066	0.024	0.385	0.020	0.059	---	---	14
15	---	---	0 B	15.1 B	0.572	0.055	0.027	0.402	0.018	0.052	---	---	15
16	---	---	0 B	17.0 B	0.514	0.051	0.031	0.332	0.017	0.046	---	---	16
17	---	---	0 B	13.3 B	0.519	0.041	0.042	0.308	0.017	0.047	---	---	17
18	---	---	0 B	14.9 B	0.561	0.038	0.048	0.458	0.014	0.037	---	---	18
19	---	---	0 B	17.1 A	0.901	0.034	0.059	0.512	0.011	0.030	---	---	19
20	---	---	0 B	13.8 A	1.39	0.032	0.061	0.825	0.009	0.026	---	---	20
21	---	---	0 B	13.1 A	1.41	0.029	0.043	0.932	0.005	0.215	---	---	21
22	---	---	0 B	12.2 A	1.28	0.029	0.051	0.772	0.003	0.321	---	---	22
23	---	---	0 B	11.7	1.20	0.028	0.068	0.545	0.004	0.313	---	---	23
24	---	---	0 B	10.8	0.939	0.024	0.078	0.410	0.001	0.315	---	---	24
25	---	---	0 B	9.15	0.739	0.034	0.077	0.315	0	0.303	---	---	25
26	---	---	0 B	6.75	0.605	0.050	0.063	0.300	0	0.291	---	---	26
27	---	---	0 B	4.84	0.506	0.045	0.062	0.223	0	0.279	---	---	27
28	---	---	0.186B	3.41	0.439	0.031	0.075	0.189	0.010	0.348	---	---	28
29	---		0.618B	2.48	0.376	0.025	0.087	0.192	0.042	0.690	---	---	29
30	---		0.540B	1.87	0.362	0.023	0.094	0.179	0.060	2.26	---	---	30
31	---		0.422B		0.347		0.112	0.195		3.48		---	31
TOTAL	---	---	1.766	182.433	23.435	4.152	1.683	9.934	1.725	9.901	---	---	TOTAL
MEAN	---	---	0.057	6.08	0.756	0.138	0.053	0.320	0.058	0.319	---	---	MEAN
MAX	---	---	0.618	17.1	1.48	0.483	0.112	0.932	0.212	3.48	---	---	MAX
MIN	---	---	0	0	0.347	0.023	0.024	0.134	0	0.026	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.959
MAXIMUM DAILY, 17.1A ON APR 19
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 12 30 N
LONG 100 10 45 W
DRAINAGE AREA, 925 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	142
FEB	---	AUG	858
MAR	153	SEP	149
APR	15 800	OCT	855
MAY	2 020	NOV	---
JUN	359	DEC	---

TOTAL DISCHARGE, 20 300 dam³

MINNIPEG RIVER AT LAC DU BONNET - STATION NO. 05PP062

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	254.824	254.964	254.989	254.935	254.871	254.971	254.932	254.912	254.938	254.869	255.057	254.913	1
2	254.808	254.964	254.867	254.913	254.957	254.957	254.992	254.932	254.894	254.913	254.991	254.969	2
3	254.908	254.965	254.989	254.935	254.971	254.893	255.070	254.958	254.878	254.869	254.957	254.991	3
4	254.930	254.965	254.967	254.969	254.971	254.871	255.070	254.970	254.870	254.853	254.869	254.991	4
5	254.929	254.965	255.011	254.969	254.989	254.871	255.070	255.014	254.892	254.869	254.869	254.969	5
6	254.929	254.965	255.011	254.969	254.971	254.937	254.958	255.016	254.892	254.869	254.889	254.918	6
7	254.929	254.965	254.967	254.969	254.971	254.959	254.958	254.992	254.870	254.917	254.891	254.930	7
8	254.929	254.953	254.967	254.992	254.971	254.955	254.892	254.970	254.869	254.913	254.891	254.956	8
9	254.929	254.887	254.967	254.992	254.971	254.971	254.870	254.958	254.893	254.931	254.913	254.956	9
10	254.951	254.931	254.967	254.990	254.959	254.979	254.870	254.970	254.897	254.891	254.969	254.956	10
11	254.963	254.965	254.967	254.970	254.871	254.918	254.870	254.970	254.897	254.891	254.993	254.956	11
12	254.851	254.965	254.989	254.970	254.871	254.892	254.870	254.914	254.893	254.891	255.017	254.968	12
13	254.863	254.965	254.989	254.914	254.893	254.958	254.870	254.958	254.893	254.957	255.019	254.988	13
14	254.863	254.965	254.968	254.970	254.937	254.958	254.870	254.970	254.869	254.957	254.969	254.968	14
15	254.863	254.987	254.936	254.992	254.931	254.958	254.918	254.994	254.917	254.969	254.957	254.958	15
16	254.863	254.988	254.956	255.014	254.957	254.919	254.936	254.970	254.917	254.969	254.991	254.958	16
17	254.951	254.966	254.968	255.014	254.937	254.878	254.958	254.970	254.969	254.969	254.991	254.928	17
18	254.951	254.966	254.954	254.970	254.859	254.870	254.958	254.970	254.969	254.891	254.969	254.928	18
19	254.963	254.966	254.968	254.992	254.893	254.870	254.970	254.970	254.969	254.913	254.991	254.958	19
20	254.963	254.966	254.954	254.970	254.933	254.892	254.970	254.912	254.893	254.891	254.997	254.956	20
21	254.964	254.966	254.968	254.971	254.953	254.892	254.970	254.892	254.837	254.891	254.957	254.958	21
22	254.964	254.966	255.056	254.993	254.955	254.892	254.936	254.954	254.893	254.869	254.957	254.968	22
23	254.964	254.966	254.890	255.015	254.959	254.870	254.892	254.958	254.869	254.869	254.933	254.968	23
24	254.964	255.010	254.890	255.015	254.917	254.912	254.892	254.912	254.893	254.891	254.951	254.968	24
25	254.964	255.010	254.890	254.959	254.915	254.958	254.892	254.918	254.937	254.957	254.913	254.958	25
26	254.986	254.988	254.957	254.917	254.871	254.950	254.892	254.912	254.891	254.969	254.891	254.968	26
27	254.986	254.988	254.957	254.870	254.969	254.958	254.936	254.892	254.869	254.969	254.891	254.958	27
28	254.964	254.988	254.969	254.871	254.959	254.958	254.936	254.914	254.869	254.969	254.891	254.958	28
29	254.952		254.969	254.871	254.959	254.958	254.914	254.892	254.891	254.991	254.893	254.958	29
30	254.952		254.969	254.871	254.971	254.914	254.910	254.892	254.869	254.991	254.917	254.964	30
31	254.964		254.991		254.955		254.892	254.914		255.013		254.968	31
MEAN	254.929	254.968	254.963	254.958	254.938	254.934	254.933	254.946	254.896	254.922	254.986	254.958	MEAN
MAX	254.986	255.010	255.056	255.015	254.989	254.979	255.070	255.016	254.969	255.013	255.057	254.991	MAX
MIN	254.808	254.887	254.867	254.870	254.859	254.870	254.870	254.892	254.837	254.853	254.869	254.913	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 254.948
MAXIMUM DAILY, 255.070 ON JUL 3
MINIMUM DAILY, 254.808 ON JAN 2

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 15 35 N
LONG 96 03 20 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WINNIPEG RIVER AT SLAVE FALLS - STATION NO. 05PP063

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	548	770	597	637	561	951	1 020	844	794	757	1 100	1 100	1
2	515	781	618	620	628	964	1 010	867	710	749	1 070	1 120	2
3	539	800	666	597	590	958	1 050	900	794	738	1 030	1 110	3
4	587	752	685	623	673	953	1 180	957	804	739	1 040	1 190	4
5	671	758	677	608	627	975	1 280	951	768	774	1 050	1 240	5
6	617	769	684	661	693	988	1 330	955	706	799	1 080	1 280	6
7	629	805	698	625	700	934	1 240	934	705	845	1 070	1 300	7
8	635	788	679	619	695	1 000	1 190	952	699	836	1 070	1 290	8
9	563	781	685	591	695	1 100	1 170	986	731	849	1 090	1 330	9
10	618	817	688	586	691	1 100	1 110	923	762	865	1 080	1 350	10
11	631	803	631	573	615	1 110	1 090	980	729	840	1 080	1 300	11
12	642	823	649	569	782	1 110	1 100	924	719	848	1 040	1 350	12
13	685	829	633	606	706	1 120	1 080	924	744	878	1 070	1 400	13
14	699	829	646	566	807	1 120	1 080	913	803	848	1 060	1 400	14
15	739	820	651	544	730	1 090	1 060	962	863	885	1 060	1 380	15
16	713	800	650	580	740	1 100	1 030	958	816	915	1 050	1 390	16
17	761	803	654	638	774	1 140	1 010	947	800	971	1 070	1 410	17
18	760	797	649	621	715	1 190	993	947	756	969	1 070	1 420	18
19	754	812	687	643	698	1 210	964	952	822	955	1 070	1 420	19
20	748	827	693	645	702	1 210	949	955	722	957	1 050	1 430	20
21	765	829	642	554	723	1 180	890	957	772	954	1 050	1 420	21
22	784	829	631	656	795	1 180	829	952	806	966	1 070	1 420	22
23	812	829	635	617	814	1 170	829	927	781	960	1 080	1 420	23
24	763	795	682	580	937	1 160	791	877	768	958	1 050	1 400	24
25	726	800	668	637	898	1 180	842	904	799	964	1 070	1 400	25
26	720	776	667	568	957	1 170	768	893	777	963	1 070	1 380	26
27	691	768	668	664	949	1 170	822	846	760	998	1 080	1 370	27
28	709	717	643	588	956	1 140	865	912	803	1 060	1 060	1 340	28
29	730		651	580	958	1 130	850	918	837	1 050	1 060	1 320	29
30	734		682	572	973	1 050	830	754	774	1 050	1 090	1 310	30
31	778		657		977		886	817		1 090		1 360	31
TOTAL	21 266	22 307	20 446	18 168	23 759	32 773	31 138	28 388	23 124	28 040	31 980	41 350	TOTAL
MEAN	686	797	660	606	766	1 090	1 000	916	771	905	1 070	1 330	MEAN
MAX	812	829	698	664	977	1 210	1 330	980	863	1 090	1 100	1 430	MAX
MIN	515	717	597	544	561	908	768	754	699	738	1 030	1 100	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 884
MAXIMUM DAILY, 1 430 ON DEC 20
MINIMUM DAILY, 515 ON JAN 2

DATA CONTRIBUTED BY -
CITY OF WINNIPEG HYDRO-ELECTRIC SYSTEM

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 50 13 30 N
LONG 95 34 15 W
DRAINAGE AREA, 126 000 km²

REGULATED SINCE 1987

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 840 000	JUL	2 690 000
FEB	1 930 000	AUG	2 450 000
MAR	1 770 000	SEP	2 000 000
APR	1 570 000	OCT	2 420 000
MAY	2 050 000	NOV	2 760 000
JUN	2 830 000	DEC	3 570 000

TOTAL DISCHARGE, 27 900 000 dam³

WINNIPEG RIVER HEAD WATER SEVEN SISTERS POWER PLANT - STATION NO. 05PP057

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	274.152	274.128	274.101	274.113	274.137	273.744	273.979	274.097	273.720	274.027	274.146	274.137	1
2	274.113	274.131	274.146	274.018	274.152	273.643	274.049	274.037	273.848	274.091	274.088	274.131	2
3	274.152	274.110	274.140	274.058	274.155	273.552	274.122	274.076	274.015	274.101	274.082	274.101	3
4	274.146	274.052	274.162	274.149	274.122	273.595	274.165	274.134	274.085	273.957	274.107	274.076	4
5	274.137	274.021	274.168	274.149	274.088	273.713	274.088	274.122	274.024	274.037	274.128	274.101	5
6	274.155	274.110	274.113	274.183	274.079	273.671	274.073	274.094	274.064	274.040	274.162	274.152	6
7	274.189	274.113	274.110	274.158	274.033	273.588	274.052	274.076	274.027	274.006	274.073	274.137	7
8	274.113	274.128	274.006	274.139	274.168	273.592	274.076	274.149	274.076	274.061	274.033	274.131	8
9	274.101	274.122	274.067	274.143	274.138	273.595	274.046	274.128	274.030	274.061	274.107	274.131	9
10	274.107	274.140	274.143	274.113	274.076	273.771	274.097	274.073	273.973	274.049	274.107	274.171	10
11	274.094	274.113	274.113	274.119	274.067	273.884	274.052	274.116	274.088	274.015	274.097	274.064	11
12	274.134	274.128	274.128	274.122	274.101	273.918	274.089	274.088	274.088	274.064	274.064	273.988	12
13	274.171	274.146	274.128	274.119	274.137	273.936	273.921	273.988	274.082	274.091	274.094	274.125	13
14	274.143	274.158	274.134	274.110	274.046	273.979	273.985	274.101	274.076	274.152	274.143	274.168	14
15	274.140	274.152	274.128	274.104	273.945	273.930	274.006	274.000	274.067	274.088	274.168	274.149	15
16	274.137	274.128	274.122	274.040	273.784	273.921	274.137	274.033	274.064	274.094	274.140	274.131	16
17	274.125	274.113	274.143	274.097	273.854	273.924	274.131	274.116	274.033	274.107	274.158	274.137	17
18	274.119	274.113	274.113	274.155	274.101	273.945	274.180	274.116	274.082	274.030	274.125	274.149	18
19	274.110	274.110	274.134	274.158	274.027	273.985	274.155	274.119	274.049	274.046	274.137	274.168	19
20	274.122	274.110	274.137	274.152	273.985	273.872	274.198	274.113	274.037	274.046	274.149	274.171	20
21	274.088	274.113	274.128	274.128	274.021	273.845	274.055	274.107	274.037	274.030	274.119	274.152	21
22	274.128	274.085	274.067	274.094	274.073	273.939	274.003	274.088	274.113	274.067	274.137	274.128	22
23	274.140	274.137	274.088	274.134	274.037	274.015	274.055	274.064	274.082	274.113	274.149	274.128	23
24	274.137	274.107	274.110	274.097	273.960	273.988	274.064	274.052	274.076	274.134	274.122	274.134	24
25	274.140	274.143	274.119	274.137	273.887	273.976	274.067	274.033	274.064	274.110	274.146	274.088	25
26	274.113	274.119	274.097	274.097	273.997	274.015	274.107	274.027	273.957	274.122	274.143	274.021	26
27	274.143	274.109	274.128	274.137	274.000	274.030	274.061	274.067	274.046	274.116	274.162	274.000	27
28	274.143	274.110	274.137	274.110	274.174	273.969	274.094	274.122	274.067	274.140	274.174	274.027	28
29	274.152		274.128	274.110	274.046	273.985	274.043	274.064	274.027	274.128	274.165	274.122	29
30	274.140		274.131	274.037	273.942	273.945	274.085	273.985	274.037	274.158	274.137	274.131	30
31	274.137		274.134		273.854		274.058	273.695		274.168		274.145	31
MEAN	274.132	274.117	274.119	274.115	274.038	273.849	274.071	274.067	274.032	274.079	274.125	274.118	MEAN
MAX	274.171	274.158	274.168	274.158	274.174	274.030	274.198	274.149	274.113	274.168	274.174	274.171	MAX
MIN	274.088	274.021	274.006	274.018	273.784	273.552	273.921	273.695	273.720	273.957	274.033	273.988	MIN

WATER LEVELS IN METRES

MEAN, 274.072
MAXIMUM DAILY, 274.198 ON JUL 20
MINIMUM DAILY, 273.552 ON JUN 3

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 07 10 N
LONG 96 00 50 W
DATA CONTRIBUTED BY -
MANITOBA HYDRO

REGULATED

WINNIPEG RIVER TAILRACE, GREAT FALLS POWER PLANT - STATION NO. 05PF048

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	229.466	230.225	230.081	230.045	229.560	230.663	230.795	230.276	230.371	230.313	230.804	230.819	1
2	229.880	230.267	230.060	230.048	229.530	230.673	230.590	230.386	230.176	230.356	230.971	230.801	2
3	229.606	230.154	229.767	229.874	229.649	230.688	230.916	230.471	230.176	230.261	230.984	230.910	3
4	229.880	230.240	229.749	229.627	229.777	230.724	231.005	230.532	230.130	230.178	230.807	230.996	4
5	229.947	230.225	230.005	229.868	230.042	230.496	231.325	230.520	230.094	230.142	230.627	230.962	5
6	229.920	229.908	230.167	229.935	230.030	230.493	231.435	230.518	230.109	230.208	230.572	230.953	6
7	229.859	230.185	230.154	229.917	229.978	230.520	231.371	230.694	230.151	230.142	230.721	230.996	7
8	229.984	230.313	230.292	229.719	230.054	230.587	231.173	230.731	230.151	230.295	230.843	231.020	8
9	229.990	230.133	229.911	229.908	229.798	230.825	231.044	230.566	229.929	230.292	230.822	231.081	9
10	229.786	230.170	229.728	229.615	230.005	230.965	230.935	230.545	230.036	230.459	230.673	231.075	10
11	229.953	230.295	229.819	229.749	230.033	231.023	230.910	230.523	230.118	230.663	230.731	231.035	11
12	229.877	230.154	229.999	229.767	229.944	230.938	230.913	230.511	230.081	230.395	230.825	231.099	12
13	229.987	230.237	230.045	229.591	229.941	230.856	230.929	230.520	229.984	230.331	230.807	231.130	13
14	230.103	230.334	229.901	229.868	229.962	230.764	230.728	230.517	230.121	230.313	230.721	231.139	14
15	230.048	230.316	229.862	229.767	230.322	230.953	230.621	230.520	230.167	230.404	230.676	231.194	15
16	230.094	230.340	229.911	229.993	230.338	230.977	230.657	230.511	230.261	230.685	230.728	231.263	16
17	229.978	230.347	229.844	229.901	230.249	230.977	230.737	230.496	230.304	230.624	230.819	231.221	17
18	230.475	230.048	229.871	229.734	229.810	230.941	230.740	230.502	230.276	230.636	230.795	231.221	18
19	230.030	230.325	229.987	230.109	229.917	230.877	230.734	230.728	230.276	230.535	230.779	231.221	19
20	230.218	230.347	229.969	230.057	229.950	230.856	230.718	230.676	230.304	230.593	230.804	231.221	20
21	230.380	230.368	229.789	229.895	230.094	230.990	230.673	230.490	230.258	230.648	230.785	231.221	21
22	230.295	230.429	230.094	229.923	230.030	230.849	230.456	230.523	230.310	230.657	230.776	231.221	22
23	230.127	230.161	229.978	230.017	230.103	230.837	230.593	230.520	230.194	230.487	230.788	231.258	23
24	230.286	230.365	229.828	229.853	230.587	230.856	230.212	230.551	230.136	230.487	230.795	231.261	24
25	230.298	230.331	230.020	229.831	230.471	230.819	230.179	230.566	230.203	230.590	230.788	231.252	25
26	230.194	230.313	230.051	229.868	230.200	230.828	230.639	230.264	230.273	230.499	230.798	231.252	26
27	229.920	230.121	229.880	229.804	230.255	230.849	230.368	230.270	230.322	230.609	230.810	231.240	27
28	230.182	230.316	229.804	229.841	230.426	230.837	230.461	230.273	230.215	230.718	230.807	231.173	28
29	230.084		229.959	229.831	230.523	230.831	230.551	230.243	230.298	230.731	230.816	231.038	29
30	230.078		230.014	229.606	230.734	230.816	230.404	230.258	230.340	230.822	230.825	230.898	30
31	230.154		229.926		230.712		230.542	230.273		230.779		230.926	31
MEAN	230.035	230.249	229.950	229.852	230.097	230.810	230.753	230.483	230.192	230.479	230.783	231.099	MEAN
MAX	230.475	230.429	230.292	230.109	230.734	231.023	231.435	230.731	230.371	230.822	230.984	231.261	MAX
MIN	229.466	229.908	229.728	229.591	229.530	230.493	230.179	230.243	229.929	230.142	230.572	230.801	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 230.408
MAXIMUM DAILY, 231.435 ON JUL 6
MINIMUM DAILY, 229.466 ON JAN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 27 50 N
LONG 96 00 15 W
DATA CONTRIBUTED BY -
MANITOBA HYDRO

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WINTERING LAKE AT THICKET PORTAGE - STATION NO. 05TD002

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	181.582	181.489	181.429	181.350	181.406	181.896	181.823	181.661	181.791	181.646	181.555	181.478	1
2	181.578	181.489	181.424	181.349	181.442	181.897	181.813	181.652	181.791	181.648	181.552	181.480	2
3	181.575	181.489	181.420	181.345	181.482	181.899	181.803	181.653	181.782	181.647	181.548	181.487	3
4	181.569	181.485	181.416	181.339	181.530	181.911	181.799	181.661	181.782	181.641	181.543	181.481	4
5	181.569	181.486	181.412	181.338	181.580	181.911	181.792	181.668	181.773	181.634	181.537	181.480	5
6	181.565	181.477	181.406	181.339	181.628	181.924	181.796	181.673	181.761	181.633	181.538	181.479	6
7	181.561	181.469	181.406	181.339	181.668	181.933	181.793	181.785	181.752	181.627	181.539	181.476	7
8	181.557	181.467	181.405	181.337	181.708	181.924	181.787	181.747	181.761	181.617	181.533	181.473	8
9	181.555	181.469	181.402	181.340	181.732	181.925	181.782	181.760	181.760	181.621	181.524	181.472	9
10	181.553	181.464	181.396	181.340	181.760	181.924	181.776	181.782	181.748	181.621	181.521	181.468	10
11	181.550	181.452	181.390	181.336	181.781	181.923	181.775	181.795	181.752	181.616	181.525	181.464	11
12	181.548	181.457	181.395	181.345	181.804	181.920	181.771	181.801	181.757	181.611	181.514	181.462	12
13	181.546	181.456	181.401	181.335	181.833	181.918	181.756	181.813	181.752	181.606	181.511	181.461	13
14	181.542	181.454	181.395	181.335	181.863	181.907	181.748	181.822	181.735	181.602	181.510	181.459	14
15	181.539	181.453	181.399	181.332	181.849	181.902	181.739	181.833	181.719	181.598	181.511	181.458	15
16	181.542	181.458	181.398	181.333	181.857	181.901	181.741	181.829	181.721	181.598	181.507	181.457	16
17	181.538	181.453	181.393	181.335	181.864	181.896	181.745	181.818	181.714	181.595	181.493	181.458	17
18	181.538	181.452	181.386	181.332	181.872	181.893	181.734	181.827	181.715	181.584	181.499	181.457	18
19	181.535	181.444	181.385	181.324	181.876	181.886	181.726	181.838	181.716	181.581	181.497	181.453	19
20	181.529	181.444	181.385	181.332	181.876	181.882	181.733	181.834	181.705	181.573	181.496	181.450	20
21	181.530	181.448	181.382	181.326	181.866	181.870	181.722	181.842	181.700	181.570	181.504	181.447	21
22	181.523	181.444	181.378	181.327	181.869	181.863	181.703	181.840	181.696	181.565	181.499	181.439	22
23	181.519	181.442	181.378	181.327	181.871	181.870	181.708	181.839	181.685	181.556	181.497	181.440	23
24	181.517	181.438	181.371	181.327	181.867	181.877	181.707	181.843	181.678	181.561	181.493	181.437	24
25	181.515	181.437	181.363	181.333	181.876	181.866	181.700	181.842	181.674	181.555	181.491	181.435	25
26	181.510	181.436	181.363	181.328	181.879	181.864	181.700	181.826	181.670	181.555	181.488	181.435	26
27	181.505	181.435	181.357	181.332	181.878	181.859	181.692	181.820	181.657	181.554	181.487	181.429	27
28	181.489	181.430	181.359	181.340	181.881	181.850	181.686	181.801	181.645	181.556	181.488	181.425	28
29	181.487		181.358	181.351	181.885	181.840	181.677	181.792	181.651	181.556	181.486	181.422	29
30	181.489		181.362	181.366	181.895	181.826	181.660	181.794	181.650	181.556	181.485	181.421	30
31	181.490		181.352		181.895		181.676	181.795		181.556		181.419	31
MEAN	181.537	181.458	181.389	181.337	181.776	181.892	181.744	181.781	181.723	181.594	181.512	181.455	MEAN
MAX	181.582	181.489	181.429	181.366	181.895	181.933	181.823	181.843	181.791	181.648	181.555	181.487	MAX
MIN	181.487	181.430	181.352	181.324	181.406	181.826	181.660	181.652	181.645	181.554	181.485	181.419	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 181.601
MAXIMUM DAILY, 181.933 ON JUN 7
MINIMUM DAILY, 181.324 ON APR 19
MAXIMUM INSTANTANEOUS,
181.939 AT 15:03 CST ON JUN 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 19 25 N
LONG 97 46 54 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. GOVT. EXT.)

WOODY RIVER NEAR BOWSMAN - STATION NO. 05LB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.408B	13.6	18.6	2.76	11.0	1.16	2.74	---	---	1
2	---	---	0 B	0.138B	12.6	15.0	3.01	10.4	1.35	3.32	---	---	2
3	---	---	0 B	0.083B	12.0	14.8	4.44	10.8	1.53	3.59	---	---	3
4	---	---	0 B	0.054B	11.5	13.9	4.56	10.6	1.49	4.12	---	---	4
5	---	---	0 B	0 B	10.4	13.2	4.26	9.87	1.50	5.32	---	---	5
6	---	---	0 B	0 B	9.08	12.9	3.79	8.95	1.37	5.57	---	---	6
7	---	---	0.110B	0 B	8.14	13.4	4.08	8.30	1.39	5.83	---	---	7
8	---	---	0.343B	0 B	7.35	12.7	4.41	7.70	1.35	5.98	---	---	8
9	---	---	0.550B	0 B	6.91	11.9	3.86	7.03	1.33	6.11	---	---	9
10	---	---	0.692B	0 B	6.52	10.9	3.36	6.90	1.26	6.21	---	---	10
11	---	---	0.138B	0 B	5.98	10.0	3.00	5.75	1.25	6.17	---	---	11
12	---	---	0 B	0.071B	5.51	9.08	2.78	5.26	1.14	6.09	---	---	12
13	---	---	0 B	0.088B	5.12	8.25	3.02	4.95	1.14	5.92	---	---	13
14	---	---	0 B	0.114B	4.79	7.51	3.77	4.70	1.15	5.71	---	---	14
15	---	---	0 B	0.222B	4.51	6.79	3.46	4.35	1.16	5.46	---	---	15
16	---	---	0 B	0.171B	4.34	6.37	3.33	3.93	1.04	5.23	---	---	16
17	---	---	0 B	0.186B	4.39	5.96	10.0	3.65	1.03	5.07	---	---	17
18	---	---	0 B	4.21 B	4.52	5.57	53.1	3.44	0.936	4.91	---	---	18
19	---	---	0 B	7.38 B	4.76	5.18	67.1	3.23	0.821	4.62	---	---	19
20	---	---	0 B	6.53 B	4.81	4.91	54.0	3.01	0.788	4.44	---	---	20
21	---	---	0.029B	9.28 B	4.83	4.74	46.7	2.81	0.815	4.14	---	---	21
22	---	---	0.067B	11.0 B	4.85	4.66	44.5	2.56	0.798	3.85	---	---	22
23	---	---	0.129B	11.6 B	4.72	4.57	43.1	2.36	0.749	3.61	---	---	23
24	---	---	0.393B	12.6 B	4.61	4.39	38.9	2.22	0.635	3.64	---	---	24
25	---	---	1.37 B	12.7 B	4.58	4.19	33.1	2.10	0.591	3.43	---	---	25
26	---	---	0.763B	13.1	4.36	4.06	27.4	1.98	0.564	3.33	---	---	26
27	---	---	0.383B	13.9	4.18	3.72	23.0	1.78	0.551	3.22	---	---	27
28	---	---	0.186B	14.1	4.17	3.39	19.3	1.64	0.774	3.12	---	---	28
29	---		0.283B	14.7	6.94	3.21	16.5	1.47	1.37	3.05	---	---	29
30	---		0.543B	14.3	9.63	2.98	14.2	1.20	2.45	2.92	---	---	30
31	---		0.521B		12.8		12.2	1.20		2.75		---	31
TOTAL	---	---	6.260	146.935	212.50	242.83	568.99	154.64	33.482	139.47	---	---	TOTAL
MEAN	---	---	0.202	4.90	6.85	8.09	18.1	4.99	1.12	4.50	---	---	MEAN
MAX	---	---	1.37	14.7	13.6	15.0	67.1	11.0	2.45	6.21	---	---	MAX
MIN	---	---	0	0	4.17	2.98	2.76	1.20	0.551	2.74	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.11
MAXIMUM DAILY, 67.1 ON JUL 19
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
74.8 AT 02:59 CST ON JUL 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 15 30 N
LONG 101 08 15 W
DRAINAGE AREA, 2 110 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	48 500
FEB	---	AUG	13 400
MAR	541	SEP	2 890
APR	12 700	OCT	12 100
MAY	18 400	NOV	---
JUN	21 000	DEC	---

TOTAL DISCHARGE, 130 000 dam³

NAME	STATION NO.	PAGE
ANGLING RIVER NEAR BIRD	05UN001	1
ANTLER RIVER NEAR MELITA	05MF002	1
ARROW RIVER NEAR ARROW RIVER	05MG001	2
ASSINIBOINE RIVER AT HEADINGLEY	05LJ001	2
ASSINIBOINE RIVER NEAR BRANDON	05MM013	3
ASSINIBOINE RIVER NEAR HOLLAND	05MM005	3
ASSINIBOINE RIVER NEAR MINIOTA	05ME006	4
ASSINIBOINE RIVER NEAR PORTAGE LA PRAIRIE	05MJ003	4
ASSINIBOINE RIVER NEAR RUSSELL	05ME001	5
ATHAPAPUSKOW LAKE AT CRANBERRY PORTAGE	05KG005	5
BACK LAKE NEAR OXFORD HOUSE	04AA003	6
BADGER CREEK NEAR CARTWRIGHT	05OA007	6
BARRINGTON RIVER BELOW FIRST RAPIDS	06EB003	7
BEAVER CREEK EAST OF BEAVER	05LL028	7
BELL RIVER NEAR BELLSITE	05LF002	8
BERENS RIVER AT OUTLET OF LONG LAKE	05RD007	8
BIG GRASS RIVER NEAR GLENELLA	05LL015	9
BIRCH RIVER ABOVE BRACKEN DAM NEAR THE PAS	05KH003	9
BIRCH RIVER BELOW BRACKEN DAM NEAR THE PAS	05KH004	10
BIRCH RIVER NEAR BIRCH RIVER	05LE010	10
BIRD RIVER AT OUTLET OF BIRD LAKE	05PJ001	11
BIRDTAIL CREEK NEAR BIRTLE	05ME003	11
BIRNIE CREEK NEAR BIRNIE	05LL017	12
BLACK RIVER NEAR MANIGOTAGAN	05RA002	12
BLOODVEIN RIVER ABOVE BLOODVEIN BAY	05RB003	13
BOYNE RIVER NEAR CARMAN	05OF003	13
BOYNE RIVER NEAR ROSEISLE	05OF011	14
BOYNE RIVER NEAR STEPHENFIELD	05OF006	14
BOYNE RIVER NEAR TREHERNE	05OF010	15
BRERETON LAKE NEAR RENNIE	05PG003	15
BROKENHEAD RIVER NEAR BEAUSEJOUR	05SA002	16
BROKENHEAD RIVER NEAR VIVIAN	05SA004	16
BUFFALO LAKE CHANNEL NEAR ALTONA	05OC025	17
BURNT LAKE DRAIN NO. 1 NEAR DEERHORN	05LN002	17
BURNT LAKE DRAIN NO. 2 NEAR LUNDAR	05LN003	18
BURNTWOOD RIVER ABOVE THREE POINT LAKE	05TE001	18
BURNTWOOD RIVER NEAR THOMPSON	05TG001	19
CEDAR LAKE AT EASTERVILLE	05KL009	19
CEDAR LAKE NEAR OLESON POINT	05KL005	20
CHILDS LAKE NEAR BOGGY CREEK	05ND008	20
CHURCHILL RIVER ABOVE GRANVILLE FALLS	06EA006	21
CHURCHILL RIVER ABOVE LEAF RAPIDS	06EB004	21
CHURCHILL RIVER ABOVE RED HEAD RAPIDS	06FD001	22
CHURCHILL RIVER BELOW FIDLER LAKE	06FB001	22
CHURCHILL RIVER DIVERSION AT SOUTH BAY	06EC002	23
CLEARWATER LAKE AT GUY HILL	05KK009	23
COCHRANE RIVER NEAR BROCHET	06DA002	24
COMJURING CREEK NEAR RUSSELL	05ME005	24
COOKS CREEK AT COOKS CREEK	05OJ006	25
COOKS CREEK NEAR EAST SELKIRK	05OJ002	25
COOKS CREEK NEAR GLASS	05OJ007	26
CORMORANT LAKE AT CORMORANT	05KK002	26
CROSS LAKE AT CROSS LAKE	05UD001	27
CRYSTAL CREEK NEAR CRYSTAL CITY	05OB006	27
CYPRESS CREEK NEAR CLEARWATER	05OB010	28
CYPRESS CREEK NEAR SARLES	05OB031	28
CYPRESS RIVER NEAR BRUXELLES	05MM008	29
CYPRESS RIVER NEAR CYPRESS RIVER	05MH004	29
DAUPHIN LAKE AT OCHRE BEACH	05LJ816	30
DAUPHIN LAKE AT OUTLET	05LJ009	30
DAUPHIN RIVER NEAR ANAMA BAY	05LM006	31
DEAD LAKE DRAIN NEAR GLADSTONE	05LL023	31
DEADHORSE CREEK AT MORDEN	05OC015	32
DEER RIVER NORTH OF BELCHER	06FD002	32
DELORAINE RESERVOIR NEAR DELORAINE	05MG014	33
DEVILS CREEK NEAR LIBAU	05OJ016	33
DOG LAKE NEAR VOGAR	05LM005	34
DOMAIN DRAIN NEAR DOMAIN	05OG009	34
DUCK RIVER AT COWAN	05LG004	35
EAST FISHER RIVER NEAR HODGSON	05ED004	35
EASTERN TRIBUTARY TO EDWARDS CREEK	05LJ032	36
EDWARDS CREEK DRAIN BELOW JACKFISH CREEK	05LJ047	36
ELGIN CREEK NEAR SOURIS	05MG012	37
ELM CREEK CHANNEL NO. 2 NEAR ELM CREEK	05OG005	37
ELM CREEK CHANNEL NO. 3 NEAR ELM CREEK	05OG006	38
EPINETTE CREEK NEAR CARBERRY	05MM007	38
FAIRFORD RIVER NEAR FAIRFORD	05LM001	39
FALCON LAKE AT FALCON LAKE	05PD801	39
FAMILY LAKE AT LITTLE GRAND RAPIDS	05RD006	40
FISH LAKE DRAIN NEAR CAMP MORTON	05ED005	40
FISH LAKE NEAR MELEB	05ED003	41
FISHER RIVER NEAR DALLAS	05LJ015	41
FISHING RIVER NEAR PORK RIVER	05TF001	42
FOOTPRINT LAKE AT NELSON HOUSE	05TF002	42
FOOTPRINT RIVER ABOVE FOOTPRINT LAKE	05LJ016	43
FORK RIVER AT ETHELBERT	05MF007	43
GAINSBOROUGH CREEK NEAR LYLETON	05LG006	44
GARLAND RIVER NEAR DUCK RIVER	06FA001	44
GAUER RIVER BELOW THORSTEINSON LAKE	05OA015	45
GIMBY CREEK NEAR CARTWRIGHT	05LL026	45
GLENELLA DRAIN NEAR GLENELLA	04AC001	46
GODS LAKE AT GODS LAKE NARROWS	04AC006	46
GODS LAKE AT OUTLET OF GODS LAKE	04AC005	47
GODS RIVER AT OUTLET OF GODS LAKE	04AD002	47
GODS RIVER NEAR SHAMATTAWA	05LL024	48
GOPHER CREEK NEAR GLADSTONE	05MG003	48
GOPHER CREEK NEAR VIRDEN	05KJ002	49
GRACE LAKE NEAR THE PAS	05MF008	49
GRAHAM CREEK NEAR MELITA	06EB002	50
GRANVILLE LAKE AT PICKEREL NARROWS	05TD001	50
GRASS RIVER ABOVE STANDING STONE FALLS	05TB002	51
GRASS RIVER AT WEKUSKO FALLS	05OJ017	51
GRASSMERE DRAIN NEAR MIDDLECHURCH	05UA003	52
GUNISAO RIVER ABOVE DIAMOND RAPIDS	05UA003	52
HAYES RIVER BELOW GODS RIVER	04AB001	53
HAYES RIVER BELOW TROUT FALLS	04AA004	53
HESPELER FLOODWAY NEAR ROSENFELD	05OC016	54
HIDDEN ISLAND COULEE NEAR HARRISONO	05OA005	54
ICELANDIC RIVER NEAR RIVERTON	05EC002	55
ISLAND LAKE NEAR ISLAND LAKE	04AC002	55
ISLAND LAKE RIVER NEAR ISLAND LAKE	04AC007	56
JACKSON CREEK NEAR MELITA	05MF015	56

NAME	STATION NO.	PAGE
JORDAN CREEK NEAR PLUMAS	05LL008	57
JOUBERT CREEK AT ST. PIERRE-JOLYS	05OE007	57
KENTON CREEK AT KENTON	05MG006	58
KETTLE RIVER NEAR GILLAM	05UF004	58
KILLARNEY LAKE AT KILLARNEY	05OA803	59
KISKITTO LAKE NEAR NORWAY HOUSE	05UB013	59
KISKITTOGISU LAKE NEAR NORWAY HOUSE	05UB007	60
KISSISSING LAKE AT COLD LAKE	06EA009	60
KRONSGART DRAIN NEAR SEWELL	05OC024	61
LA SALLE RIVER AT SANFORD	05OG001	61
LA SALLE RIVER NEAR ELIE	05OG008	62
LAKE MANITOBA AT STEEP ROCK	05LK002	62
LAKE MANITOBA AT THE NARROWS	05LK003	63
LAKE MANITOBA NEAR TOUTES AIDES	05LK004	63
LAKE MANITOBA NEAR WESTBOURNE	05LL012	64
LAKE OF THE PRAIRIES NEAR SHELLMOUTH	05MD009	64
LAKE ST. MARTIN NEAR HILBRE	05LM005	65
LAKE WINNIPEG AT BERENS RIVER	05RD005	65
LAKE WINNIPEG AT GIMLI	05EB006	66
LAKE WINNIPEG AT MATHESON ISLAND LANDING	05ED002	66
LAKE WINNIPEG AT MISSION POINT	05SG001	67
LAKE WINNIPEG AT MONTREAL POINT	05RF001	67
LAKE WINNIPEG AT PINE DOCK	05SD001	68
LAKE WINNIPEG AT VICTORIA BEACH	05SA003	68
LAKE WINNIPEGOSIS AT DAWSON BAY	05LD002	69
LAKE WINNIPEGOSIS AT WINNIPEGOSIS	05LM001	69
LAURIE RIVER BELOW LAURIE RIVER HYDRO PLANT	06EB005	70
LIMESTONE RIVER NEAR BIRD	05UG001	70
LITTLE BEAVER RIVER NEAR THE MOUTH	06FB002	71
LITTLE CHURCHILL RIVER ABOVE RECLUSE LAKE	06FC001	71
LITTLE SASKATCHEWAN RIVER NEAR MINNEDOSA	05MF001	72
LITTLE SASKATCHEWAN RIVER NEAR RIVERS	05MF018	72
LITTLE SOURIS RIVER NEAR BRANDON	05MH006	73
LITTLE WOODY RIVER NEAR BARROWS	05LC005	73
LONG LAKE NEAR LITTLE GRAND RAPIDS	05RD010	74
LONG RIVER NEAR HOLMFIELD	05OA006	74
LONG RIVER NEAR LYONSHALL	05OA014	75
LOON RIVER ABOVE BRITTON LAKE	06EA008	75
MAIN DRAIN 4A NEAR DOMINION CITY	05OD028	76
MAIN DRAIN 4B NEAR FREDENSTHAL	05OD029	76
MANIGOTAGAN RIVER NEAR MANIGOTAGAN	05RA001	77
MANISTIKWAN LAKE NEAR FLIN FLON	05KG006	77
MANNES DRAIN NEAR SANFORD	05OG010	78
MANNING CANAL NEAR ILE DES CHENES	05OE006	78
MAPLE (MARSHY) LAKE NEAR PIPESTONE	05NG022	79
MARSH RIVER NEAR OTTERBURNE	05OE010	79
MARY JANE CREEK AT LA RIVIERE	05OB013	80
MARY JANE RESERVOIR NEAR LA RIVIERE	05OB014	80
MCKINNON CREEK NEAR MCCREARY	05LJ027	81
MEDORA CREEK NEAR NAPINKA	05NG020	81
MINK CREEK NEAR ETHELBERT	05LJ019	82
MINK CREEK NEAR SIFTON	05LJ048	82
MINNEWASTA CREEK NEAR BEULAH	05ME008	83
MORRIS RIVER NEAR ROSENORT	05OF020	83
MOSSY RIVER BELOW OUTLET OF DAUPHIN LAKE	05LJ025	84
MOWBRAY CREEK NEAR MOWBRAY	05OB021	84
NEEPAWA CREEK NEAR NEEPAWA	05LL009	85
NEEPAWA RESERVOIR NEAR NEEPAWA	05LL010	85
NELSON RIVER (EAST CHANNEL) BELOW SEA RIVER FALLS	05UB008	86
NELSON RIVER (WEST CHANNEL) AT JENPEG	05UB009	86
NELSON RIVER ABOVE BLADDER RAPIDS	05UD004	87
NELSON RIVER AT KELSEY GENERATING STATION	05UE005	87
NELSON RIVER AT NORWAY HOUSE	05UB001	88
NELSON RIVER AT WARREN LANDING	05UB003	88
NETLEY CREEK NEAR MATLOCK	05OJ009	89
NETLEY CREEK NEAR PETERSFIELD	05OJ008	89
NORTH MOOSE LAKE AT MOOSE LAKE NARROWS CONTROL STRUCTURE	05KK005	90
NORTH SEAL RIVER BELOW STONY LAKE	06GB801	90
NORTH SHOAL LAKE NEAR INWOOD	05LM004	91
OAK CREEK NEAR STOCKTON	05NG010	91
OAK LAKE AT OAK LAKE RESORT	05NG008	92
OAK RIVER AT SHOAL LAKE	05MG008	92
OAK RIVER NEAR BRADWARDINE	05MG010	93
OAK RIVER NEAR RIVERS	05MG004	93
OCHRE RIVER AT OCHRE RIVER	05LJ005	94
ODEI RIVER NEAR THOMPSON	05TG003	94
OVERFLOWING RIVER AT OVERFLOWING RIVER	05LD001	95
OXFORD LAKE AT OXFORD HOUSE	04AA002	95
OXTAIL CREEK NEAR CYPRESS RIVER	05MH012	96
PANSY DRAIN NEAR SARTO	05OE014	96
PARTRIDGE CREEK NEAR ST. MARTIN	05LM002	97
PELICAN CREEK NEAR BIRNIE	05LL027	97
PELICAN LAKE NEAR WINETTE	05OA802	98
PEMBINA RIVER ABOVE LORNE LAKE	05OA010	98
PEMBINA RIVER AT NECHE	05OC004	99
PEMBINA RIVER BELOW CRYSTAL CREEK	05OB023	99
PEMBINA RIVER NEAR KILLARNEY	05OA008	100
PEMBINA RIVER NEAR WINDYGATES	05OB007	100
PIGEON RIVER AT OUTLET OF ROUND LAKE	05RD008	101
PILOT CREEK NEAR PILOT MOUND	05OB025	101
PINE CREEK DIVERSION NEAR PINEY	05RD027	102
PINE CREEK NEAR MELBOURNE	05LL014	102
PINE CREEK NEAR PINE CREEK STATION	05LL007	103
PINE RIVER NEAR PINE RIVER	05LG001	103
PIPESTONE CREEK NEAR PIPESTONE	05MG003	104
PIPESTONE CREEK NEAR THE SASKATCHEWAN BOUNDARY	05MG024	104
PLEASANT VALLEY CREEK NEAR GRANDVIEW	05LJ031	105
PLUM CREEK NEAR SOURIS	05NG007	105
PLUM LAKE NEAR FINDLAY	05MG009	106
PLUM RIVER NEAR ROSENFELD	05OC019	106
POPLAR RIVER AT OUTLET OF WEAVER LAKE	05RE001	107
PORTAGE DIVERSION NEAR PORTAGE LA PRAIRIE	05LL019	107
PORTAGE RESERVOIR NEAR PORTAGE LA PRAIRIE	05MJ006	108
RAT CREEK NEAR MACDONALD	05LL021	108
RAT RIVER BELOW NOTIGI CONTROL STRUCTURE	05PF003	109
RAT RIVER NEAR OTTERBURNE	05OE001	109
RAT RIVER NEAR ST. MALO	05OE002	110
RAT RIVER NEAR SUNDOWN	05OE004	110
RED DEER LAKE NEAR BARROWS	05LC003	111
RED DEER RIVER NEAR THE MOUTH, LAKE WINNIPEGOSIS	05LC004	111
RED RIVER ABOVE FLOODWAY CONTROL STRUCTURE	05OC021	112
RED RIVER ABOVE RED RIVER FLOODWAY	05OC026	112
RED RIVER AT EMERSON	05OC001	113
RED RIVER AT JAMES AVENUE PUMPING STATION	05OJ015	113

NAME	STATION NO.	PAGE
RED RIVER AT ST. ADOLPHE	05OC803	114
RED RIVER BELOW FLOODWAY CONTROL STRUCTURE	05OC020	114
RED RIVER FLOODWAY NEAR ST. NORBERT	05OC017	115
RED RIVER NEAR LETELLIER	05OC010	115
RED RIVER NEAR LOCKPORT	05OJ010	116
RED RIVER NEAR ST. NORBERT	05OC008	116
RED RIVER NEAR STE. AGATHE	05OC012	117
RED SUCKER LAKE AT RED SUCKER LAKE	04AC008	117
REED LAKE NEAR CRANBERRY PORTAGE	05TA001	118
REINDEER LAKE AT BROCHET	06DB001	118
RENNIE RIVER NEAR RENNIE	05PG002	119
RIVERS RESERVOIR NEAR RIVERS	05MF020	119
RIVIERE AUX MARAIS NEAR CHRISTIE	05OC032	120
ROARING RIVER NEAR MINITONAS	05LE005	120
ROCK LAKE NEAR GLENORA	05DB804	121
ROCKY LAKE NEAR WANLESS	05KH006	121
ROLLING RIVER NEAR ERICKSON	05MF008	122
ROSEAU RIVER AT GARDENTON	05OD004	122
ROSEAU RIVER NEAR CARIBOU	05OD030	123
ROSEAU RIVER NEAR DOMINION CITY	05OD001	123
ROSEISLE CREEK NEAR ROSEISLE	05OF009	124
ROUND LAKE AT OUTLET	05RD011	124
SASKATCHEWAN RIVER AT GRAND RAPIDS	05KL001	125
SASKATCHEWAN RIVER AT THE PAS	05KJ001	125
SCHIST LAKE NEAR CHANNING	05KG004	126
SCISSOR CREEK NEAR MCAULEY	05NE009	126
SEAL RIVER BELOW GREAT ISLAND	06GD001	127
SEINE RIVER DIVERSION NEAR ILE DES CHENES	05OE011	127
SEINE RIVER DIVERSION NEAR STE. ANNE	05OH008	128
SEINE RIVER NEAR PRAIRIE GROVE	05OH006	128
SEINE RIVER NEAR STE. ANNE	05OH007	129
SHANNON CREEK NEAR MORDEN	05OF021	129
SHANNON CREEK NEAR MORRIS	05OF014	130
SHANNON CREEK TRIBUTARY NEAR MYRTLE	05OF015	130
SHELL RIVER NEAR INGLIS	05MD005	131
SHELL RIVER NEAR ROBLIN	05MD007	131
SHOAL LAKE AT INDIAN BAY	05PD004	132
SHOAL LAKE NEAR SHOAL LAKE	05MG007	132
SILVER CREEK NEAR GRANDVIEW	05LJ040	133
SIMONHOUSE LAKE NEAR CRANBERRY PORTAGE	05TA002	133
SIPIWESK LAKE AT FORESTRY DOCK	05UD006	134
SNOW LAKE AT SNOW LAKE	05TB801	134
SNOWFLAKE CREEK NEAR SNOWFLAKE	05OB016	135
SOURIS RIVER AT SOURIS	05NG021	135
SOURIS RIVER AT WAWANESA	05NG001	136
SOURIS RIVER NEAR COULTER	05NF016	136
SOURIS RIVER NEAR WESTHOPE	05NF012	137
SOUTH MOOSE LAKE AT MOOSE LAKE	05KK001	137
SOUTH MOOSE LAKE AT MOOSE LAKE NARROWS CONTROL STRUCTURE	05KK006	138
SOUTH SEAL RIVER ABOVE FOX LAKE	06GA001	138
SOUTH TOBACCO CREEK NEAR MIAMI	05OF017	139
SOUTHERN INDIAN LAKE AT SOUTH BAY	06EC003	139
SOUTHERN INDIAN LAKE NEAR SOUTH INDIAN LAKE	06EC001	140
SPLIT LAKE AT SPLIT LAKE	05UF003	140
ST. MALO RESERVOIR NEAR ST. MALO	05OE003	141
STEEPROCK RIVER NEAR MAPERING	05LF001	141
STEPHENFIELD RESERVOIR NEAR STEPHENFIELD	05OF008	142
STONY CREEK NEAR BROOMHILL	05NG019	142
STURGEON CREEK AT ST. JAMES	05MJ004	143
STURGEON CREEK NEAR PERIMETER HIGHWAY	05MJ011	143
SWAN (PEMBINA) LAKE NEAR SWAN LAKE	05OB018	144
SWAN LAKE NEAR NOVRA	05LE007	144
SWAN RIVER NEAR MINITONAS	05LE006	145
TAYLOR RIVER NEAR THOMPSON	05TG002	145
TOBACCO CREEK NEAR ROSEBANK	05OF018	146
TOUROND CREEK NEAR TOUROND	05OE009	146
TURTLE RIVER NEAR LAURIER	05LJ007	147
TURTLEHEAD CREEK ABOVE DELORAINE RESERVOIR	05NG016	147
VALLEY RIVER NEAR DAUPHIN	05LJ010	148
VALLEY RIVER NEAR GRANDVIEW	05LJ021	148
VERMILION RESERVOIR NEAR DAUPHIN	05LJ046	149
VERMILION RIVER NEAR DAUPHIN	05LJ012	149
WASKADA CREEK NEAR CRANNER	05NF014	150
WATERHEN LAKE AT SKOWNAN	05LH008	150
WATERHEN RIVER NEAR WATERHEN	05LH005	151
WEAVER LAKE AT OUTLET	05RE002	151
WEIR RIVER ABOVE THE MOUTH	05UH002	152
WEKUSKO LAKE AT BERRY BAY WHARF	05TB003	152
WEST SQUIRREL CREEK NEAR AUSTIN	05LL001	153
WHITEMOUTH LAKE NEAR THE OUTLET	05PH005	153
WHITEMOUTH RIVER NEAR WHITEMOUTH	05PH003	154
WHITEMUD RIVER ABOVE NEEPAWA RESERVOIR	05LL013	154
WHITEMUD RIVER AT WESTBOURNE	05LL002	155
WHITEMUD RIVER NEAR KEYES	05LL005	155
WHITEMUD RIVER NEAR NEEPAWA	05LL011	156
WHITESHELL RIVER AT OUTLET OF JESSICA LAKE	05PG001	156
WHITEWATER LAKE NEAR BOISSEVAIN	05NG023	157
WILLOW CREEK NEAR CHATER	05NH011	157
WILLOW CREEK NEAR GIMLI	05SB002	158
WILSON RIVER NEAR ASHVILLE	05LJ045	158
WILSON RIVER NEAR DAUPHIN	05LJ011	159
WINNIPEG RIVER AT LAC DU BONNET	05PF062	159
WINNIPEG RIVER AT SLAVE FALLS	05PF063	160
WINNIPEG RIVER HEAD WATER SEVEN SISTERS POWER PLANT	05PF057	160
WINNIPEG RIVER TAILRACE, GREAT FALLS POWER PLANT	05PF048	161
WINTERING LAKE AT THICKET PORTAGE	05TD002	161
WOODY RIVER NEAR BOWSMAN	05LE004	162